

SERVICE MANUAL

AE-5 chassis

MODEL	COMMANDER	DEST	CHASSIS NO.	MODEL	COMMANDER	DEST	CHASSIS NO.
KV-28FX65B	RM-887	FRENCH	SCC-Q13J-A	KV-32FX65B	RM-887	FRENCH	SCC-Q13K-A
KV-28FX65E	RM-887	ESP	SCC-Q14J-A	KV-32FX65E	RM-887	ESP	SCC-Q14K-A
KV-28FX65U	RM-887	UK	SCC-Q15E-A	KV-32FX65K	, RM-887	OIRT	SCC-Q15F-A
				KV-32FX65U	RM-887	UK	SCC-Q16M-A

FD Trinitron







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CAUTION

SHORT CIRCUIT THE ANODE OF THE PICTURE TUBE AND THE ANODE CAP TO THE CARBON PAINTED ON THE CRT, AFTER REMOVAL OF THE ANODE CAP.

WARNING!!

AN ISOLATION TRANSFORMER MUST BE USED DURING ANY SERVICE WORK TO AVOID POSSIBLE SHOCK HAZARD DUE TO LIVE CHASSIS, THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE POWER LINE.

SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY SHADING AND MARKED A ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL FOR SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

APRES AVOIR DECONNECTE LE CAP DE'LANODE, COURT-CIRCUITER L'ANODE DU TUBE CATHODIQUE ET CELUI DE L'ANODE DU CAP AU COUCHE DE CARBONE PEINTE SUR LE TUBE CATHODIQUE.

ATTENTION !!

AFIN D'EVITER TOUT RISQUE D'ELECTROCUTION PROVENANT D'UN CHÁSSIS SOUS TENTION, UN TRANSFORMATEUR D'ISOLEMENT DOIT ETRE UTILISÈ LORS DE TOUT DÈPANNAGE LE CHÁSSIS DE CE RÈCEPTEUR EST DIRECTMENT RACCORDÈ Á L'ALIMENTATION SECTEUR.

ATTENTION AUX COMPOSANTS RELATIFS Á LA SECURITÈ!!

LES COMPOSANTS IDENTIFIÈS PAR UNE TRAME ET PAR UNE MARQUE & SUR LES SCHÈMAS DE PRINCIPE, LES VUES EXPLOSÈES ET LES LISTES DE PIECES SONT D'UNE IMPORTANCE CRITIQUE POUR LA SÈCURITÈ DU FONCTIONNEMENT, NE LES REMPLACER QUE PAR DES COMPSANTS SONY DONT LE NUMÈRO DE PIÈCE EST INDIQUÈ DANS LE PRÈSENT MANUEL OU DANS DES SUPPLÈMENTS PUBLIÈS PAR SONY.

ITEM MODEL	Television System	Stereo System	Channel Coverage	Color System
French	B/G/H, D/K,L,I	GERMAN/NICAM Stereo	VHF: E02-E12, R01-R12 UHF: E21-E69, R21-R69 CABLE TV: S01-S20, B-Q HYPER: S21-S41	PAL, SECAM NTSC4.43, NTSC3.58 (VIDEO IN)
Spanish	B/G/H, D/K	GERMAN /NICAM Stereo	VHF: E02-E12, R01-R12 UHF: E21-E69, R21-R69 CABLE TV: S01-S05, S1-S20 HYPER: S21-S41	PAL, SECAM NTSC4.43, NTSC3.58 (VIDEO IN)
OIRT	B/G/H, D/K	GERMAN /NICAM Stereo	VHF: E02-E12, R01-R12 UHF: E21-E69, R21-R69 CABLE TV: S01-S05, S1-S20 HYPER: S21-S41	PAL, SECAM NTSC4.43, NTSC3.58 (VIDEO IN)
UK	I	NICAM Stereo	UHF : B21-B69	PAL, SECAM NTSC4.43, NTSC3.58 (VIDEO IN)

Model	KV-28FX65B	KV-28FX65E	KV-28FX65U	
Power Consumption	126W	126W	126W	
Model	KV-32FX65B	KV-32FX65E	KV-32FX65U	KV-32FX65K
Power Consumption	122W	122W	122W	122W

Picture Tube	FD Trinitron Wide Approx 71 cm (28 inches) (Approx 66cm picture measured diagonally) Approx 82 cm (32 inches) (Approx 76cm picture measured diagonally) 110 degree deflection	Sound output Subwoofer	Right and Left speaker 2x20W (Music Power) 2x10W (RMS) 1x30W (Music Power) 1x15W (RMS)
Input/Output Terminals [RE	AR]	Power Requirements	220 - 240V AC
1: 21-pin Euro connector (CENELEC standard)	Inputs for Audio and Video signals. Inputs for RGB. Outputs of TV Video and Audio signals.	Dimensions	28" Approx 796x518x522mm 32" Approx 883x567x562mm
2: 21-pin Euro connector	Inputs for Audio and Video signals. Inputs for S Video. Outputs of TV Video and Audio signals. (selectable)	Weight	28" Approx 48.0kg 32" Approx 64.0kg
3: 21-pin Euro connector	Inputs for Audio and Video signals. Inputs for S Video. Outputs for Video and Audio signals (monitor out)	Supplied Accessories	RM-887 Remote Commander (1) IEC designated R6 battery (2)
RCA Connectors	Variable output for Audio Signals	Other Features	NexTView, Digital Comb Filter, Noise Reduction, Graphic Equaliser, 2000 Page Text Memory.
Input/Output Terminals [FR	ONT]	Remote control system	Infrared control
Headphone jack	stereo mini jack	Power requirements	3V dc 2 batteries IEC designation R6 (size AA)
Audio inputs	phono jacks	Dimensions	Approx 210x45x23mm (w/h/d)
Video inputs	phono jacks	Weight	Approx 95g (not including battery)
S Video input	4 pin DIN		
	Design and specifications are s	subject to change without no	tice.

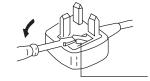
Model Name	KV-28FX65B	KV-28FX65E	KV-28FX65U	KV-32FX65K
Item	KV-32FX65B	KV-32FX65E	KV-32FX65U	
Pal Comb	OFF	OFF	OFF	OFF
PIP	OFF	OFF	OFF	OFF
RGB Priority	ON	ON	ON	ON
Woofer Box	ON	ON	ON	ON
Scart 1	ON	ON	ON	ON
Scart 2	ON	ON	ON	ON
Scart 3	ON	ON	ON	ON
Front in (4)	ON	ON	ON	ON
Projector	OFF	OFF	OFF	OFF
AKB in 16:9 mode	ON	ON	ON	ON
Norm B/G	ON	ON	OFF	ON
Norm I	ON	OFF	ON	OFF
Norm D/K	ON	ON	OFF	ON
Norm AUS	OFF	OFF	OFF	OFF
Norm L	ON	OFF	OFF	OFF
Norm SAT	OFF	OFF	OFF	OFF
Norm M	OFF	OFF	OFF	OFF
Teletext	ON	ON	ON	ON
Nicam Stereo	ON	ON	ON	ON

WARNING (UK Models only)

The flexible mains lead is supplied connected to a **B.S. 1363** fused plug having a fuse of **13 AMP** rating. Should the fuse need to be replaced, use a **13 AMP FUSE** approved by ASTA to **BS 1362**, ie one that carries the ASTA to BS 1362, in a carries the

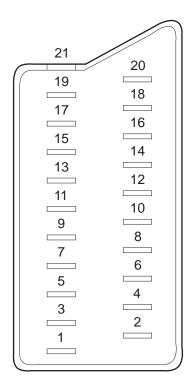
IF THE PLUG SUPPLIED WITH THIS APPLIANCE IS NOT SUITABLE FOR THE OUTLET SOCKETS IN YOUR HOME, IT SHOULD BE CUT OFF AND AN APPROPRIATE PLUG FITTED. THE PLUG SEVERED FROM THE MAINS LEAD MUST BE DESTROYED AS A PLUG WITH BARED WIRES IS DANGEROUS IF ENGAGED IN A LIVE SOCKET.

When an alternative type of plug is used, it should be fitted with a **13 AMP FUSE**, otherwise the circuit should be protected by a **13 AMP FUSE** at the distribution board.



How to replace the fuse. Open the fuse compartment with a screwdriver blade and replace the fuse.

FUSE



Pin No	1	2	3	Signal	Signal level
1	0	0	0	Audio output B (right)	Standard level : 0.5V rms Output impedence : Less than 1kohm*
2	0	0	0	Audio output B (right)	Standard level : 0.5V rms Output impedence : More than 10kohm*
3	0	0	0	Audio output A (left)	Standard level : 0.5V rms Output impedence : Less than 1kohm*
4	0	0	0	Ground (audio)	
5	0	0	0	Ground (blue)	
6	0	0	0	Audio input A (left)	Standard level : 0.5V rms Output impedence : More than 10kohm*
7	0	•	•	Blue input	0.7 +/- 3dB, 75 ohms positive
8	0	0	0	Function select (AV control)	High state (9.5-12V): Part mode Low state (0-2V): TV mode Input impedence: More than 10K ohms Input capacitance: Less than 2nF
9	0	0	0	Ground (green)	
10	0	0	0	Open	
11	0	•	•	Green	Green signal : 0.7 +/- 3dB, 75 ohms, positive
12	0	0	0	Open	
13	0	0	0	Ground (red)	
14	0	0	0	Ground (blanking)	
4-	0	-	-	Red input	0.7 +/- 3dB, 75 ohms, positive
15	-	0	0	(S signal Chroma input)	0.3 +/- 3dB, 75 ohms, positive
16	0	•	•	Blanking input (Ys signal)	High state (1-3V) Low state (0-0.4V) Input impedence : 75 ohms
17	0	0	0	Ground (video output)	
18	0	0	0	Ground (video input)	
19	0	0	0	Video output	1V +/- 3dB, 75ohms, positive sync 0.3V (-3+10dB)
	0	-	-	Video input	1V +/- 3dB, 75ohms, positive sync 0.3V (-3+10dB)
20	-	0	0	Video input Y (S signal)	1V +/- 3dB, 75ohms, positive sync 0.3V (-3+10dB)
21	0	0	0	Common ground (plug, shield)	

Connected

Not Connected (open) * at 20Hz - 20kHz

Rear Connection Panel

Front Connection Panel







	S Video socket pir	configuration
Pin No	Signal	Signal Level
1	Ground	-
2	Ground	-
3	Y (S signal) input	1V+/- 3dB 75ohm, positive Sync. 0.3V -3 +10dB
4	C (S signal) input	0.3V+/- 3dB 75ohm, positive Sync.

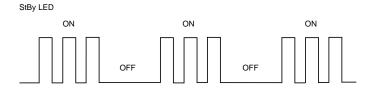
AE-5 SELF DIAGNOSTIC SOFTWARE

The identification of errors within the AE-5 chassis is triggered in one of two ways: -1: Busy or 2: Device failure to respond to IIC. In the event of one of these situations arising the software will first try to release the bus if busy (Failure to do so will report with a continuous flashing LED) and then communicate with each device in turn to establish if a device is faulty. If a device is found to be faulty the relevant device number will be displayed through the LED (Series of flashes which must be counted) See table 1., non fatal errors are reported using this method.

Diagnostic Item Description	No of times Standby LED Flashes	Probable cause Location	Detected Symptoms
Power does not turn on	Does not light	Power cord is not plugged in. Fuse is open circuit.	Power does not come on No power is supplied to the TV AC power supply is faulty
+B Overcurrent (OCP)	2 times	H.OUT (Q6803/6804) is shorted. (D Board) Linearity FET (Q6806) is shorted. (D Board) IC6604 Power IC is shorted. (D Board)	Power does not come on Load on power line has shorted
Vertical Deflection stopped	4 times	+15V is not supplied R6835 open (D Board) -15V is not supplied R6834 open (D Board) IC6700 is shorted (D Board)	Vertical deflection pulse has stopped Power line has shorted

Error Message	LED Flashes
No error	00
Reserved	01
OCP (Over Current Protection)	02
OVP (Over Voltage Protection)	03
Vertical Protection	04
Unstable AKB (check starts after 30's, enable TT61 disable TT62)	05
Horizontal Protection	06
Speaker Protection	07
I2C bus 0 error	08
M-B Tele-Text-Decoder	09
M-B ST24C32, NVM	10
J-B TDA9320, Main Colour Decoder	11
B1/B2-B Feature Box	12
B1-B D/A-Converter	13
E-B Backend	14
J-B MSP3410D, Sound Processor	15
J-B CXD2057, Auto Wide	16
External RAM	17

Flash Timing Example: e.g. error number 3



Error Detection Monitor

Device acknowledge is used to check IIC errors. Device acknowledge is checked by sending an IIC start sequence during CRT power on. Each device is checked three times, if there is no acknowledge after each attempt, it will be regarded as an error.

There are three steps to check for errors.

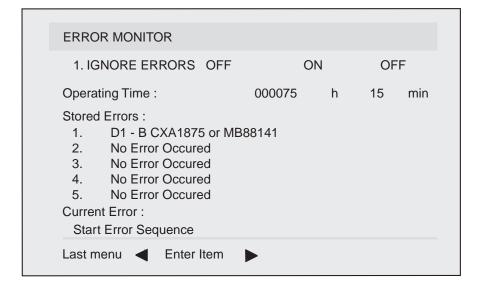
- 1. IIC line 0
 - If all devices except the NVM have errors, IIC line 0 error is displayed.
- 2. Board check
 - If all devices mounted on one board have errors, board error is displayed.
- 3. Each device check
 - If IIC line error and board error are not detected then the device with the error is displayed.

The detected errors can be displayed as follows:

- 1. Error Monitor Menu.
- 2. Error Reader.

1. Error Monitor Menu

Error Display Mode is entered by the following sequence of commands Standby -> Information -> Digit 5 -> Volume Down -> TV



2. Error Reader Display

The error reader display is connected to the service connector to read actual error codes. The part number for the error reader display is S-188-900-10. Once an error has been detected it will then be displayed on the two digit error reader. The errors displayed refer to the following table.

Error Code	Error Message
000h	No error occurred
001h	Bus error, IIC0
002h	Bus error, IIC1
100h	A-Board
101h	A-B CXA1875, Port Expander
102h	A-B TU1326, Main Tuner
103h	A-B TU1350, Sub Tuner
200h	B1-Board
201h	B1-B P83C654, Feature Box B1-B. SDA9280, D/A Convertor
202h	B1-B P83C654, Feature Box B1-B. SDA9280, D/A Convertor
300h	B2-Board
301h	B2-B. SAA4977, BESIC
302h	B2-B. SAA495X, Field Memory
400h	B3-Board
401h	B3-B. MID-X
402h	B3-B. Panorama
403h	B3-B. DRC
404h	BK-B. Picture Booster
500h	D1-Board
501h	D1-B CXA8070, Dynamic Convertor
502h	D1-B CXA1875, Port Expander
600h	E-Board
601h	E-B CXD2100, Backend
700h	J-Board
701h	J-B CXD2057, Auto Wide
702h	J-B SDA9288, PIP
703h	J-B Sub Colour Decoder
704h	J-B Main Colour Decoder
705h	J-B CXA1875, Sub-Sound
706h	J-B TDA7309, HP-Amplifier
707h	J-B TEA6422DT, Audio Switch
708h	J-B MSP3410D, Sound Processor
709h	J-B TC9337F, Sound DSP
70Ah	J-B CXA21X69, AV Switch
800h	M-Board
801h	M-B ST24C32, NVM

SECTION 1 GENERAL

Instruction Manual'. The page numbers of the 'Operating Instruction Manual' remain The operating instructions mentioned here are partial abstracts from the 'Operating as in the manual.

Installation

5. Tuning your TV

Before you tune your TV, you will be asked to set your language and country

- The Language/Country menu appears on the TV screen with the word 'English' highlighted.
- Press the \triangle or ∇ buttons on the remote control to select your chosen language then press the OK button to confirm.
- Press ▲ or ▼ to select the country in which you wish to operate the TV then press the OK button to confirm your choice. Select 'OFF' if you do not want your channels stored in a given channel sequence starting from programme position 1.

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- The 'autotune' menu appears on the TV screen in your selected language. Press the OK button to confirm.
- button to confirm. The TV starts to automatically search and store all available channels for you. This may take a few minutes -Ensure the aerial is connected as instructed, then press the OK please be patient and do not press any buttons
- new programme number position for your selected channel then press the OK button to confirm. The selected channel now moves Once the TV has tuned all available channels the 'Programme Sorting' menu appears on the TV screen enabling you to change the order of the channels on your TV. If you wish to change the channel order, press the ▲ or ▼ buttons to select the channel you want to move, then press ▶. Press the ▲ or ▼ buttons to select the to its new programme position and the other channels move accordingly. Repeat this procedure if you wish to sort the order of other channels on your TV.
- Press the MENU button to remove the menu from the TV screen.
- Press the PROGR+/- or the numbered buttons to view the TV

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Note: If you would like to stop the autotune process at any stage, press the OK button.

NexTView*

depending on availability of service



NexTView is an electronic programme guide with up to 1 week* of programme information on those channels included in the selected provider.

*If the data exceeds the memory of NexTView, you will get information on less than 7 days.

When looking for information you can search by theme (sports, art etc.), date or time (e.g. broadcasts between 8 and 9 p.m.). When you've found a programme you can go directly to this programme, use the timer to remind you of it or preset your VCR with Smartlink. The NexTView provider is responsible for the contents of the guide. The TV set is responsible for the presentation, that is the menu structure and the navigation, if there is none from the provider. If there is a navigation from the provider the basic operation with the joystick is the same as described in the Sony navigation.

At first you need to select a channel providing a NexTView service. In this case the indication "NexTView" is displayed as soon as all data is available. When you later change the channel you can still select this NexTView service.

1. Press @ to switch NexTView on and off.

Operation using the Sony navigation

\$ O O O THE REPORT OF THE PARTY OF THE

OK No:

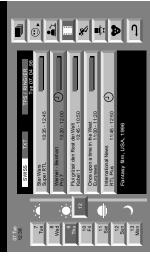
Do you want to start automatic tuning? Yes: Please confirm that aerial is connected Yes: OK No: ▲

- 2. Use the joystick buttons as follows
- moving up or downwards within a column: Use ▲ or ▼.
 - going to the left columns time and date: Use ◆.
- while in the programme list, confirming a running broadcast brings you directly to the TV programme or confirming a future programme brings you to the long info menu. going to the right column icons: Use ... Confirming a selection: Press OK.

 while in the columns date, time or icon (themes), the programme list changes according to the selection. <u>a</u> <u>e</u>

SONY





6. Finding your video channel

If you have connected a VCR to your TV, you now need to find your video channel. Please refer to the 'Connecting the TV' section of this manual on page 3.

- Press the PROGR+/- buttons on the TV remote control until your video picture appears on the TV screen
- Note: If you wish to move your video channel to a different programme position, refer to the 'Re-arranging the TV channels' section of this instruction manual.

Operation

NexTView*

Individual Setting

When you select

there will be no personal pre-selection.

the personal pre-selection of themes, limiting the esemble to the marked ones. limiting the search to the marked ones.

- Select☺, using ▲ or ▼. Push ▶ to enter.
 The menu Individual Settings is displayed.
- Select the item you wish to mark using ▲ or ▼. Confirm by pressing OK.
 - Repeat step 2 for all the items you wish to have in your list.

 3. When finished with the list, select \Box using \blacksquare and press OK.

Using the 'Long Info' menu

 Select a future programme in the column programme list using ▲ or ▼. Press OK. The long info menu is displayed.



You may wish to record the selected programme with your VCR. (only with Smartlink VCRs)

This information is transferred to the VCR connected to your set. Select a using and press OK.



Setting up ypur VCR 3. Select VPS/PDC by pushing repeatedly.

With this setting on, you have the guaranteed recording of the whole broadcast should there be a change in the TV programme. This only works if the selected

Select On or Off using OK.

channel broadcasts a VPS/PDC signal.

Select Speed using ▼.

Select between standardplay (SP) or longplay (LP) mode.With longplay you can record twice as much on a videotape. The picture quality, however, may suffer.

- Select SP or LP using OK.
- Select VCR Setup using ▼.

δ.

Select which of the connected Smartlink VCRs you wish to programme

- Select VCR 1 or 2 using OK.
- 6. Select → using ▶. Press OK. You are back in the last menu.

Teletext Operation

Most TV channels broadcast information via Teletext. The index page of the teletext service (usually page 100) gives you information on how to use the service. Please use a TV channel with a strong signal, otherwise there may be Teletext errors.

Switching Teletext on and off

- Select the TV channel which carries the teletext service you want to view.
 - 2. Press the putton once to get Teletext only.
 - 3. Press (twice for Mix mode.
- 4. Press a third time to switch off Teletext.

TELETEXT

Selecting a Teletext page

Input three digits for the page number using the numbered buttons on the remote control. If you make a mistake, type in any three digits then re-enter the correct page number.

Using Other Teletext Functions

ELECTION.

→

Selecting the next or preceding page

Press the (a) or (b) buttons on the remote control to select the previous or next page.

Selecting a sub page

A teletext page may consist of several sub pages. In this case an information line is displayed, showing the number of subpages. Select the sub page by pressing ▲ or ▼.

To freeze a Teletext page

Press the 🖨 button to freeze the page. Press again to cancel the freeze.

Revealing concealed information
Press the ② button to reveal information. Press again to conceal the information.

Using colour buttons to access pages (Fastext)

(only available if the TV station broadcasts Fastext signals)

When the colour coded menu appears at the bottom of a page, press a coloured button on the remote control (green, red, yellow or blue) to access the corresponding page.

Using the feature 'Page Catching'

- 1. Press the numbered buttons on the remote control to select a teletext page which has several page numbers on it (eg the index page).

 - 2. Press the OK button. 3. Press \triangle or \blacktriangledown to select the desired page number then press the OK button. The requested page is displayed after some seconds.













Teletext

Using the Teletext menu

- 1. With Teletext switched on, press the MENU button on the remote control to display the menu on the TV screen.
- 2. Press \triangle or ∇ to select your chosen item on the screen then press \triangleright to display the relevant
 - - 3. To remove the Teletext menu from the screen, press the MENU button.

Top/Bottom/Full

The Top/Bottom/Full sub menu allows you to enlarge different sections of the Teletext page. Press \blacktriangle to enlarge the upper half of the screen, Press \blacktriangledown to enlarge the lower half. Press the OK button to restore the page to normal size. Press \blacktriangleleft to return to the Teletext menu screen.

Text Clear

Top: ▲ Bottom: ▼ Full: OK

Text Clear is a function that displays a TV channel while a Teletext page is being searched for

- 1. Press the Dutton on the remote control to select full screen text.
 - Press the MENU button to display the 'Teletext' menu
- Press ▲ or ▼ to highlight 'Text Clear' and press ▶ to select.
- 4. The current TV channel is displayed. Once the text page has been found a blue (symbol will appear in the top left hand corner of the screen.
 - 5. Press the putton on the remote control to view the page.

Reveal

Some Teletext pages contain hidden information (eg for a quiz), which can be revealed.

- In text mode press the MENU button on the remote control to access the 'Teletext' menu.
 Press ▲ or ▼ to highlight 'Reveal' and press ▶ to select. The hidden information is displayed on the screen.

Time Page*

*depending on availability of service.

Time Page allows a time-coded Teletext page (such as an alarm page), to be displayed at a set

- 1. In Text mode press the MENU button on the remote control to access the 'Teletext' menu.
 - 2. Press ▲ or ▼ to highlight 'Time Page' and press ▶ to select. The 'Time Page' sub menu
 - is displayed.

 Enter the desired page number using the numbered buttons on the remote control.
- Press OK to confirm the settings. The TV will exit Teletext mode and the time will be displayed in the top left hand comer of the screen. At the requested time the desired page Enter the desired time using the remote control. ю. 4. v.

Select Page: 0-9 Next:▶

5

Page Overview*

*only available if TOP-Text is transmitted by the TV station.

In this menu the TOP-Text pages are divided into two columns, the first column showing 'blocks' of pages and the second showing 'groups' of pages.

Using the TV menu system

The TV consists of a menu system which is based on a series of user friendly on-screen displays and menus. These displays will help you get the most from your TV, helping you to change picture and sound settings, to alter the size of the TV picture and to rearrange the TV channels etc.

Adjusting the picture and sound

The picture and sound are preset at the factory. You can however adjust them to suit your own taste.

- 1. Press the MENU button on the remote control to display the menu on the TV screen.
- 2. Press the \triangle or ∇ buttons to select \triangle for picture settings or \triangle for sound settings then press
- ▶ to enter either the 'Picture Adjustment' menu or the 'Audio Adjustment' menu.
 3. Press the A or V buttons to select the item on the sercen you wish to adjust then press ▶ to confirm. For a description of the menu items and their effects, see the table below.
 4. Press the A, ▼ ▶ or ◆ buttons to adjust your selected item.

 - 5. As soon as you have adjusted the item, press the OK button to store the new setting.
 - Repeat steps 3-5 if you wish to adjust any of the other items.
 Press the MENU button to remove the menu from the TV screen.

Picture Control

ltem	Effect/Operation	u
Picture Mode	▼ Live (for li Personal (fi ▲ Movie (for	Live (for live broadcasts) Personal (for individual settings) Movie (for movie broadcasts)
Contrast Brighmess* Colour* Hue** Sharpness*	Less	More Brighter More Greenish Sharper
*Only available if 'Personal' is selected in 'Picture Mode' **Only available for NTSC colour signal (eg. US video tanes)	nal' is selected in 'Pio C colour signal (eg.	cture Mode' US video tanes)

Select: ▲▼ Enter: ▶

Reset	Reset	s picture	Resets picture to the factory preset levels
AI	•	Ou:	Automatic optimization of contrast level
(Aumerial inferingence)	•	Off:	accounting to the 1 V signal. Normal.
Noise Reduction	•	On:	Reduces picture noise in case of a weak
	•	Off:	oroaccasung signar. No noise reduction.
Colour Tone	•	Warm:	Gives a warm tint to the picture.
	•	Cool:	Normal: Normal. Cool: Gives a cool tint to the picture.

Using the TV menu system:

Sound Control

Expension of the remains and the Parts the Average and the Average and the Parts the Average and the Parts the Average and the Average	Item	Effect/Operation	Engrand Walushieri	 Press the MENU but 	1. Press the MENU button on the remote control to display the men
see adjustment from adjust the mode selected in Equaliser mode by the mode selected in Equaliser mode by a chain of a source the new setting. You can adjust the requestive band the free of the selection for source the new setting, you need to set the Equaliser mode to set the transportation of the permanently stores the setting, all other modes (Vocal.) Fersonal mode permanently stores the setting all other modes (Vocal.) Fersonal mode permanently stores the setting all other modes (Vocal.) Fersonal mode permanently stores the setting all other modes (Vocal.) Fersonal mode permanently stores the setting all other modes (Vocal.) Fersonal mode permanently stores the setting all other modes (Vocal.) Fersonal mode permanently stores the setting all other modes (Vocal.) Fersonal mode permanently stores the setting all other modes (Vocal.) For Normal For Normal For Normal For Normal For Normal For Normal For Special accountie effect A Off: Normal For Abiting and broadcast signal (eg. In the case of advertisements) For a biting and broadcast the indication NICAM appears briefly on the screen. Changing the screen For a stereo broadcast, the indication all capital proadcasts the indication of the Produces of the screen. For a stereo broadcast. A Stereo Adjusts headphone volume. Changing the screen formal broadcast in the indication will be screen. For a stereo broadcast the indication will be screen. For a stereo broadcast the indication will be screen. For a stereo broadcast the indication will be screen. For a stereo broadcast the indication will be screen. For a stereo broadcast the indication will be screen. For a stereo broadcast the indication will be screen. For a stereo broadcast the indication will be screen. For a stereo broadcast the indication will be screen. For a stereo broadcast the indication will be screen. For a stereo broadcast the indication will be screen. For a	Equaliser Mode	Personal Vocal Jazz Rock Pop Flat (fixed setting, cannot be adjusted)		2. Press the ▲ or ▼ b menu. 3. Press the ▲ or ▼ bu of the menu items a 4. Press the ♠, ▼ ▶ o 5. Press the OK button 6. Repeat steps 3.5 ff	utions to select ★ for the 'Features' men titons to select the desired menu item then nd their effects, see the table below. ◆ futions to select the desired setting. to confirm your choice of setting.
adjust the Preparenty State the Repetings and user viole of the read adjustment. The way adjustment is a present of the Preparent State of the Receiver State of the Preparent State of the Receiver State of the Preparent State of the Receiver	Equaliser adjustment	You can adjust the mode selected in Equaliser mode by cutting and boosting the 5 selected frequency bands.		Item	Effect/Operation
Format Correction* Format Correction*	;	Tress * 0 * 0' 0 sected the negletary board then the order of the requency. Finally, press the OK button to store the new adjustment.	Equaliser Adjustm (Personal) + (Personal)	Auto Format* *only for aerial signal	■ Off: Size of picture does not automatica ■ On:The TV will automatically adjust th ■ dark areas on the TV picture (a
ess		store the new setting, you need to set the Equatiser mode to onal mode permanently stores the setting, all other modes (Vocal, store only until the next mode change.		Format Correction* (*only if Auto Format	▶ ◀
Sees	Balance	▲ More left▼ More right	•	Sleep Timer	You can select a time after which the TV sv
Volit. Normal Special acoustic effect Special acoustic effect Special acoustic effect Special acoustic effect August Special acoustic effect August Special acoustic effect August	Loudness		Loudness		standby mode. ▼ Off
More board and signal. ▼ Off: Volume level changes according to the broadcast signal. ▼ A for channel 1 For a bilingual broadcast. ▼ A for channel 2 For a bilingual broadcast, the indication NICAM appears briefly on Agency is being broadcast, the indication of the TV. A discrepance of advertisements). ■ Mono A stereo A stere	Space		LO expedS	Parental Lock	10 S
For a bilingual broadcast: A for channel 1 For a stereo broadcast: A Mono CAM stereo is being broadcast, the indication NICAM appears briefly on n. A djusts headphone volume. Can also adjust he volume evel of additional equipment connected to the RCA sockets on the rear of the TV. For a bilingual broadcast: Changing the scriptory and allows you form the rear of the TV. Restricted to the RCA sockets on the rear of the TV. For a bilingual broadcast: A for the honder of additional equipment connected to the RCA sockets on the rear of the TV. For a bilingual broadcast: A for the honder of additional equipment connected to the RCA sockets on the rear of the TV. For a bilingual broadcast: A for the honder of additional equipment of a for 16:9 broadcast and a for 16:9 broadcast	Auto Vol. Control		Auto Vol. Control	AV2 Output	On: TV au
Adjusts headphone volume. Adjusts headphone volume. Can also adjust the volume level of additional equipment connected to the RCA sockets on the rear of the TV. For a bilingual broadcast: A for channel 1 B for channel 1 B for channel 1	Dual Sound	in the case of advertisements). For a bilingual broadcast: ★ A for channel 1 For a stresso broadcast. For a stresso broadcast.			AVI audo/video signal from scart 1. AV2 audio/video signal from scart 2. AV3 audio/video signal from scart 3. ▲ AV4 audio/video signal from connector
n. Adjusts headphone volume. Can also adjust the volume level of additional equipment connected to the RCA sockets on the rear of the TV. For a bilingual broadcast: ▼ A for channel 1 R for channel 1		▼ Mono Stereo		Changing the	screen size
Adjusts headphone volume. Can also adjust the volume level of additional equipment connected to the RCA sockets on the rear of the TV. For a bilingual broadcast: ▼ A for channel 1 R for channel 1	When NICAM st the screen.	ereo is being broadcast, the indication NICAM appears briefly on		This feature allo	ws you to change the size of the TV pictu
Connected to the RCA sockets on the rear of the TV. Wide Zoom For a bilingual broadcast: A for channel 1 A for channel 2 A for channel 3 A for channel 2 A for channel 3 A for channel 3 A for channel 3 A for channel 3	Headphones Volume	Adjusts headphone volume. Can also adjust the volume level of additional equipment		Press the 💠 button or following formats then	n the remote control repeatedly or use the press the OK button to confirm your sele
Opinal Sound Cast	⊖ Dual Sound	connected to the RCA sockets on the rear of the TV. For a bilingual broadcast: ▼ A for channel 1 ▲ B for channel 2	(Tokolune Ammerica)		for 16:9 broadcasts. widescreen format for letterbox movies. compromise between 4:3 and 16:9 picture size. conventional 4:3 picture size, full picture information imitation of wide screen effect for 4:3 broadcasts.

Using the TV menu system:

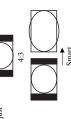
Using the Features menu

- olay the menu on the TV screen.

 Press the A or ▼ butt 	Press the ▲ or ▼ buttons to select ★ for the 'Features' menu then press ▶ to enter the 'Features'	Features
menu.		Auto Format P or Format Orrection
. Press the ▲ or ▼ butt of the menu items and	Press the ▲ or ▼ buttons to select the desired menu item then press ▶ to confirm. For a description of the menu items and their effects, see the table below. Down the A ▼ ▶ or ▲ Purpose to also the desired menu item to a confirmation to also the desired menu.	Sleep Timer or Parental Lock or AV 2 Output TV
Press the OK button to Repeat steps 3-5 if you herse the MENU button.	Trees the *, *, * or * or would not be set out the casted setting. Press the OK button to confirm your choice of setting. Repeat steps 3-5 if you wish to select any of the other items. Press the MENU button to remove the menu from the TV screen.	Sheet AV Enter>
me	Effect/Operation	
tuto Format* only for aerial signal	✓ Off:Size of picture does not automatically adjust. ✓ On:The TV will automatically adjust the picture size to eliminate any dark areas on the TV picture (as shown below):	Auto Format Or
ormat Correction* *only if Auto Format is et to 'On')	▼ Off: 4:3/14:9 is selected. ▲ On: Smart mode is selected automatically for 4:3/14:9 broadcasts.	Format Correction or
leep Timer	You can select a time after which the TV switches itself into standby mode. ▼ Off	Seep Timer to min
	▲ 90 min	
arental Lock	▼ Off: No parental lock. ▲ On: This feature disables the buttons on the TV when the set is in standby mode. It is only possible to switch the set back on by pressing a button on the remote control.	Parents Lock o
.V2 Output	▼ TV audio/video signal from the aerial ↑F. AVI audio/video signal from scart 1. AV2 audio/video signal from scart 2. AV3 audio/video signal from scart 3. AV4 audio/video signal from connectors on front of the TV.	AV2 Output W
Changing the screen size	creen size	

use the \triangle or ∇ buttons to select one of the our selection:

In Smart, Zoom and 14:9 modes parts of the top and bottom of the screen are cut off. Press \mathbb{A} or Ψ to adjust the position of the image on screen (eg to read subtitles) then press the OK button to confirm.



Re-arranging the TV channels

After tuning the TV, you can use this feature to change the order of the channels on the TV.

- 1. Press the MENU button on the remote control to display the menu on the TV screen.
- Press the ▼ button to select the ➡ symbol on the menu screen then press ▶ to enter the 'Set Up'

Programme Sorting ►
Select NextTview

994

Select: ▲▼ Enter:▶

- Press the ▼ button to select 'Programme Sorting' then press ▶ to enter the 'Programme Sorting'
 - Press the \triangle or ∇ buttons to select the channel you want to move then press \triangleright to confirm.
- 5. Press the ▲ or ▼ buttons to select the new programme position (eg PROG 4) for your selected channel then press the OK button to confirm. The selected channel now moves to its new programme position and the other channels move accordingly.

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- 6. Repeat steps 4 and 5 if you wish to sort the other channels.
- 7. Press the MENU button to remove the menu from the TV screen.

Manually tuning the TV

You have already tuned the TV automatically using the instructions at the start of this manual. You can however carry out this operation manually, adding channels to the TV, one at a time.

- 1. Press the MENU button on the remote control to display the menu on the TV screen.
- Press the lacktriangle button to select the lacktriangle symbol on the menu screen then press lacktriangle to enter the 'Set Up'
- Press the \blacktriangledown button to select 'Manual Set Up' on the menu screen then press \blacktriangleright to enter the 'Manual
- Press the ▼ button to select 'Manual Programme Preset' on the menu screen then press ▶ to enter the 'Manual Programme Preset' menu.
- Press the \triangle or ∇ buttons to select a programme number for your channel (eg PROGR 1 for BBC1) then press \triangleright to highlight the 'SKIP' column.

Select: ▲▼ Enter:▶

- Press ▲ to select 'OFF' then press ▶ to highlight the 'SYS' column.
- Press the ▲ or ▼ buttons to select the TV broadcast system or 'EXT' for a video input source (AV1, AV2, ...) then press ▶ to confirm.
- Press the \triangle or ∇ buttons to select 'C' for terrestrial channels, 'S' for cable channels, or 'F' for direct frequency inputs then press ▶ to confirm.

Select the first number digit of 'CH' (channel) then the second number digit of 'CH' with the

- 10. If you do not wish to store this channel on the programme number you selected, press the \triangle or ∇ number buttons on the remote control or Press the ∇ button to search for the next available channel
 - buttons to continue searching for the desired channel.
- 12. Repeat steps 5-11 if you wish to store more channels then press the MENU button to remove the ment from the TV screen.

11. If this is the channel you wish to store, press the OK button.

Using the TV menu system:

Naming a channel

Names for channels are usually taken automatically from Teletext if available. You can however name a channel or an input video source using up to five characters (letters or numbers).

- 1. Press the MENU button on the remote control to display the menu on the TV screen.
- Press the lacktriangle button to select the lacktriangle symbol on the menu screen then press lacktriangle to enter the 'Set
- Press the ▼ button to select 'Manual Set Up' then press ▶ to enter the 'Manual Set Up'

Select: ▲▼ Enter: ▶

- button to select 'Manual Programme Preset' then press ▶ to enter the 'Manual Press the ▼
- Press the ▲ or ▼ buttons to select the channel you wish to name
- Press the ▶ button repeatedly until the first element of the 'LABEL' column is highlighted.

- Press the \triangle or ∇ buttons to select a letter or number (select '-' for a blank) then press \triangleright to confirm. Select the other four characters in the same way.
- 8. After selecting all the characters, press the OK button.
- Repeat steps 5 to 8 if you wish to label other channels.
- 10. Press the MENU button to remove the menu from the TV screen.

Skipping programme positions

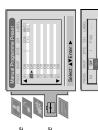
Menual Set Up

Set d: ▲ Y Enter: ▶

45

This function enables you to skip unused programme positions when selecting them with the PROGR+/- buttons. However, by using the number buttons you can still select the skipped programme position.

- Press the MENU button on the remote control to display the menu on the TV screen.
- Press the ▼ button to select the 🖨 symbol on the menu screen then press ▶ to enter the 'Set Up' menu.
- Press the ▼ button to select 'Manual Set Up' then press ▶ to enter the 'Manual Set Up'
- Press the lacktriangle button to select 'Manual Programme Preset' then press lacktriangle to enter the 'Manual Programme Preset' menu.
- Press the \triangle or ∇ buttons to select the programme position then press \triangleright to highlight the
- Press the \blacktriangle or \blacktriangledown buttons to select 'Off' or 'On' (if you wish to skip this programme position) then press the OK button to store.
- Repeat steps 5 and 6 if you wish to skip or unskip further programme positions.
- Press the MENU button to remove the menu from the TV screen



Using the TV menu system:

Using the Further Programme Preset feature



With this feature you can a) individually adjust the volume level of each channel, b) manually fine-tune the TV to obtain a better picture reception if the picture is distorted or c) preset the AV output for the programme positions of channels with scrambled signals (eg from a pay TV decoder). In this way a connected VCR records the unscrambled signal.

- 1. Press the MENU button on the remote control to display the menu on the TV screen.
- 1 3 4 E Press the \blacktriangledown button to select the \boxminus symbol on the menu screen then press \blacktriangleright to enter the 'Set 2
 - 3. Press the \blacktriangledown button to select 'Manual Set Up' then press \blacktriangleright to enter the 'Manual Set Up' menu.
- Press the ▼ button to select 'Further Programme Preset' then press ▶ to enter the 'Further Programme Preset' menu 4.
- 9 Press the \triangle or ∇ buttons to select the relevant programme number then press the ∇ button repeatedly to select a) VOL b) AFT or c) DECODER. The selected item changes colour. 5.

a)VOL - Volume Offset Press the ▲ or ▼ buttons to adjust the volume level (range -7 to +7) of the channel. Store by pressing the OK button. Repeat steps 5 and 6a if you wish to adjust the volume level of the

b) AFT - Automatic Fine Tuning

Press the \triangle or $\overline{\nabla}$ buttons to fine tune the channel frequency over a range of -15 to +15. Press the OK button to confirm. Repeat steps 5 and 6b if you wish to fine tune other channels.

Press the ▲ or ▼ buttons to select AV1 or AV2 for the programme position then press the OK button to confirm. You can now attach a decoder to the AV1 or the AV2 socket on the back of the TV and the picture from that decoder will appear on this programme number. Repeat steps 5 and 6c to preset the AV output for other programme positions.

Press the MENU button to remove the menu from the TV screen.

Using the TV menu system:

Adjusting the picture rotation



Because of the earth's magnetism the picture might slant. In this case you can readjust the picture

- 1. Press the MENU button on the remote control to display the menu on the TV screen.
- Press the lacktriangle button to select the lacktriangle symbol on the menu screen then press lacktriangle to enter the 'Set Up' menu
- Press the ▼ button to select 'Manual Set Up' then press ▶ to enter the 'Manual Set Up'
- Press the lacktriangle button to select 'Picture Rotation' then press lacktriangle to enter the 'Picture Rotation'
- Press the ▲ or ▼ buttons to rotate the picture over a range of -5 to +5 then press the OK
- Press the MENU button to remove the menu from the TV screen



Adjusting the picture geometry for an RGB source



When connecting an RGB source such as a Sony Playstation you may need to readjust the geometry of the picture.

- 1. Press the 🕘 button on the remote control to select the connected RGB source 🕘
- 2. Press the MENU button to display the menu on the TV screen.
- 3. Press the lacktriangle button to select the lacktriangle symbol on the menu screen then press lacktriangle to enter the 'Set Up' menu
- Press the ♥ button to select 'Manual Set Up' on the menu screen then press ▶ to enter the 'Manual Set Up' menu
- Press the \blacktriangledown button to select 'RGB Set Up' on the menu screen then press \blacktriangleright to enter the 'RGB Set Up' sub menu.
- Press ▶ to select H Centre then press ▲ or ▼ to adjust the centre of the picture over a range of -10 to +10. Store the new range by pressing the OK button.

8

4

- Press ▶ to select H Size then press ▲ or ▼ to adjust the horizontal coordinates over a range
- of -10 to +10. Store the new range by pressing the OK button.
- 8. Press the MENU button to remove the menu from the TV screen

Additional Information

Specifications

TV system	Sound output
	Left/Right: 2x20W (Music Power)
	2x10W (RMS)
Colour system	Sub woofer: 30W (Music Power)
PAL,	15W (RMS)
SECAM, NTSC 3.58, 4.43 (only Video In)	
	Power consumption
Channel coverage	KV-28FX65: 170W
See the 'Channel Display Table' below.	KV-32FX65: 170W

KV-28FX65: FD Trinitron WIDE, Approx. 71cm (28 inches) KV-32FX65: FD Trinitron WIDE, Approx. 82cm (32 inches)

Accessories supplied RM-887 remote control (1) IEC designated size AA batteries (2)

Weight KV-28FX65: Approx. 48kg KV-32FX65: Approx. 64kg

Dimensions (wxhxd) KV-28FX65: Approx. 796x518x522mm KV-32FX65: Approx. 883x567x562mm

Picture tube

Front Terminals

RF In

H

Video input -phono jacks Audio inputs - phono jacks S video input - 4 pin DIN Headphones jack - minijack stereo \$ \$ \$ \$ €:

Other features

Optional accessory TV Stand: KV-28FX65: SU-28FX2 KV-32FX65: SU-32FX2

Flat display Trinitron tube, noise reduction, graphic equaliser, 2000 page TEXT memory, personal ID, sleep timer, NexTView.

Design and specifications are subject to change without notice.

Channel Display Table

Channel Displays	C21C69	
Receivable Channels	B21B69	
	I	

Additional Information

Troubleshooting

Here are some simple solutions to problems which may affect the picture and sound.

Problem	Suggested remedy
No picture (screen is dark), no sound	Plug the TV in.
	 Press the
	 If the \(\theta\) indicator is on press the 1/\theta\ button or a numbered
	button on the remote control.
	 Check the aerial connection.
	 Turn the TV off for 3 or 4 seconds and then turn it on again
	using the ① button on the front of the TV.
Poor or no picture (screen is dark), but	Using the MENU system, select the Picture
good sound.	Adjustment display. Adjust the brightness, picture and colour
	balance levels.
	 From the Pricture Adjustment display select KESE1 to return to the factory settings.
Good picture, no sound	 Press the \(\subseteq \) button on the remote control.
	 If
	remote control.
No colour on colour programmes	· Using the MENU system, select the Picture Adjustment
	display and adjust the colour setting.
	From the Picture Adjustment display select RESET to return
	to the factory settings.
Distorted picture when changing programmes or selecting Teletext	 Turn off any equipment connected to the scart connectors on the rear of the TV.
Remote control does not function	Replace the batteries.
-	Control vous nagenat Comy convice contra
The standby indicator © on the TV flashes	• Collact your nearest sony service centre.
Interference on picture from external equipment	Reduce sharpness level.

- If you continue to have these problems, have your TV serviced by qualified personnel.
 NEVER open the casing yourself.

SECTION 2 DISASSEMBLY

2-1. Rear Cover Removal



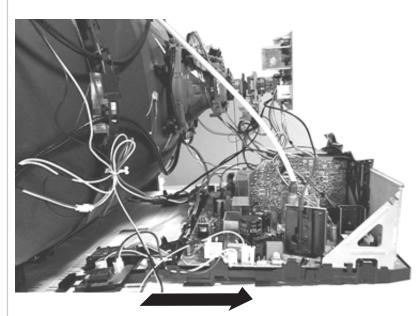
Remove the rear cover fixing screws indicated. Take care when removing the rear cover not to damage the speaker cables [Disconnect the speaker connector] as speakers are fitted inside the rear cover.

2-2. Speaker Connector Disconnection

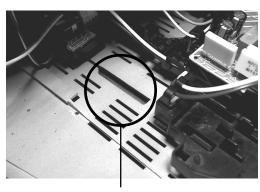


Before completely removing the rear cover disconnect the speaker connector which is located on the inside.

2-3. Chassis Removal and Refitting

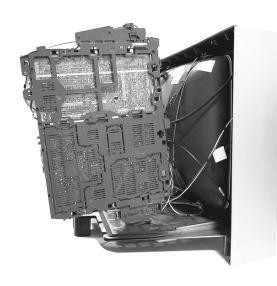


To remove lift the main bracket rear slightly and slide the chassis away from the beznet. Ensure that the interconnecting leads are released from their purse locks to prevent damage being caused.



When refitting the chassis ensure that the main bracket is located in the beznet guide slots before sliding the chassis forwards. Refit the interconnecting leads in their respective purse locks.

2-4. Service Position



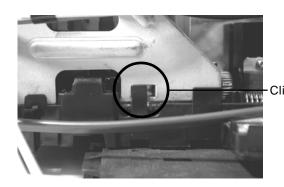
Position the PWB as indicated to access the solder side. To gain access to the D Board follow the instructions on page 19. [Removal and Replacement of the main bracket bottom plates].

2-5. D1 Board Removal



To remove the D1 Board release the clip circled and gently remove the board in a vertical direction.

2-6. J Board Removal

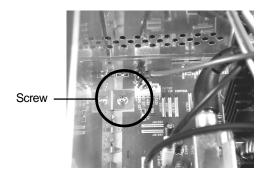


Shield case

Release the two metal bracket support clips located on either side of the chassis. Tilt the bracket very slightly away from the shield case indicated. Release the J board board socket retaining clip and carefully lift the complete assembly vertically.

2-7. B1 Board Removal

Follow the steps indicated in removal of the J board. With the assembly removed access to the B1 board shield is possible. To remove the shield locate and remove the two screws positioned on either side and at opposite ends of the shield. Release the B1 board clip and remove in a vertical direction. Please ensure that the screws are refitted after service.



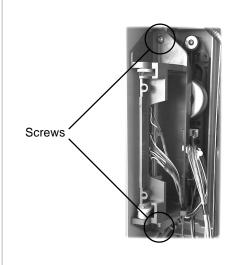
Note:

Removal of the B1, E, and M1 printed circuit boards follows the same procedure of releasing the securing clips as indicated in the fig for D1 board removal.

Take care not to apply to great a pressure to the clips as this may cause damage.

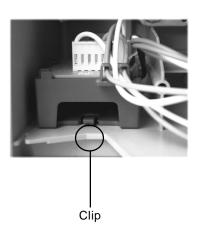
2-8. Side Control Module Removal

Remove the two screws fixing the user control module to the side of the set. The control module can then be removed by sliding it towards the rear of the set allowing access to the H7 Board.



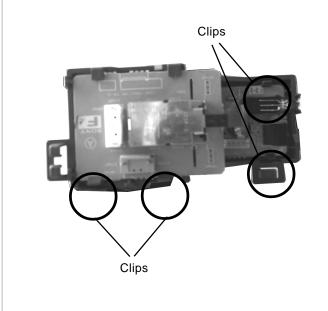
2-9. F4 Bracket Removal

Release the clip circled and pull the bracket towards the rear of the set. The bracket can then be removed to allow access to the boards.



2-10. F4 and H8 Board Removal

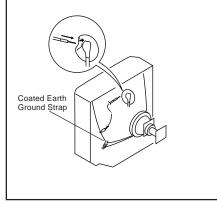
To remove the F4 and H8 Boards release the clips circled and ease the boards gently away from the support bracket.

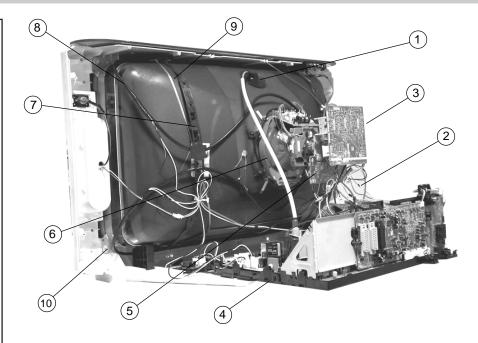


2-11. Picture Tube Removal

WARNING: BEFORE REMOVING THE ANODE CAP

High voltage remains in the CRT even after the power is disconnected. To avoid electric shock, discharge CRT *before* attempting to remove the anode cap. Short between anode and CRT coated earth ground strap.

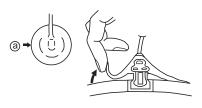




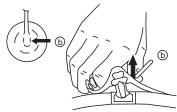
- 1. Discharge the anode of the CRT and remove the anode cap.
- Unplug all interconnecting leads from the Deflection yoke, neck assy, degaussing coils and CRT grounding strap.
- 3. Remove the C Board from the CRT.
- 4. Remove the chassis assembly.
- 5. Loosen the Neck assembly fixing screw and remove.
- 6. Loosen the Deflection yoke fixing screw and remove.
- Place the set with the CRT face down on a cushion and remove the Degaussing Coil holders.
- 8. Remove the Degaussing Coils.
- 2. Remove the CRT grounding strap and spring tentioners.
- Unscrew the four CRT fixing screws [located on each CRT corner] and remove the CRT.
 [Take care not to handle the CRT by the neck.]

Removal of the Anode-Cap

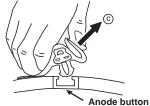
* REMOVING PROCEDURES.



1 Turn up one side of the rubber cap in the direction indicated by the arrow (a)



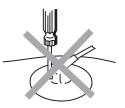
Using a thumb pull up the rubber cap firmly in the direction indicated by the arrow (b)



When one side of the rubber cap is separated from the anode button, the anode-cap can be removed by turning up the rubber cap and pulling it up in the direction of the arrow ©

How to handle the Anode-Cap

- To prevent damaging the surface of the anode-cap do not use sharp materials.
- Do not apply too great a pressure on the rubber, as this may cause damage to the anode connector.
- A metal fitting called a shatter hook terminal is fitted inside the rubber cap.
- Do not turn the rubber foot over excessively, this may cause damage if the shatter hook sticks out.





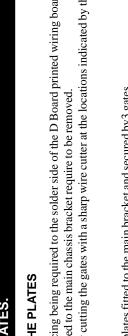
REMOVAL AND REPLACEMENT OF THE MAIN-BRACKET **BOTTOM PLATES.**

(1) REMOVING THE PLATES

In the event of servicing being required to the solder side of the D Board printed wiring board, This is performed by cutting the gates with a sharp wire cutter at the locations indicated by the the bottom plates fitted to the main chassis bracket require to be removed.

Note: There are 3 plates fitted to the main bracket and secured by 3 gates.

Only remove the necessary plate to gain access to the printed wiring board.



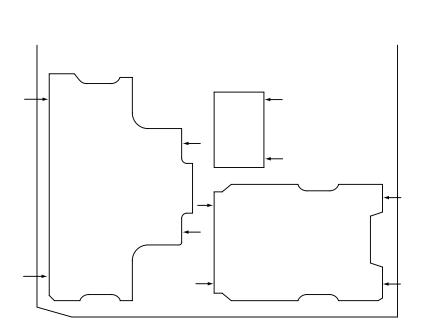


For safety reasons, on no account should the plates be removed and not refitted after servicing.

(2) REFITTING THE PLATES

Because the plates differ in size it is important that the correct plates are refitted in their original location.

Please note that the plates need to be rotated 180 degrees from their cut position to allow the tabs to be fitted into their catch positions.



Catch

Tab

SECTION 3 SET-UP ADJUSTMENTS

- When complete readjustment is necessary or a new picture tube is installed, carry out the following adjustments.
- Unless there are specific instructions to the contrary, carry out these adjustments with the rated power supply.
- Unless there are specific instructions to the contrary, set the controls and switches to the following settings:

Contrastnormal

Brightnessnormal

Carry out the adjustments in the following order:

- 3-1. Beam Landing.
- 3-2. Convergence.
- 3-3. Focus.
- 3-4. White Balance.

Note: Test equipment required.

- 1. Color bar/pattern generator.
- 2. Degausser.
- Oscilloscope.
- 4. Digital multimeter.

3-1. Beam Landing

Preparation:

- In order to reduce the influence of geomagnetism on the set's picture tube, face it in an easterly or westerly direction.
- 2. Switch on the TV set's power and degauss with a degausser.

(1) Adjustment of Correction Magnet for Y-Splitting Axis.

- 1. Input a crosshatch signal from the pattern generator.
- 2. Set the Picture control to minimum and confirm that the Brightness control is set to normal.
- 3. Position the neck assembly as indicated in Fig.3-3.
- 4. Loosen the deflection yoke fixing screw.
- 5. Move the deflection yoke as far forward as is possible.
- Adjust the upper and lower pin symmetrically by opening or closing the Y-splitting axis correction magnets located on the neck assembly. [See Fig 3-1 and Fig 3-2]
- Return the deflection yoke to its original position and re-tighten its fixing screw.

Fig.3-1

Y-splitting axis correction magnet

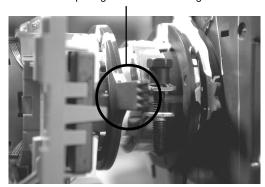




Fig.3-2

Caution:

High voltages are present on the Deflection yoke terminals - take care when handling the Deflection yoke whilst carrying out adjustments.

(2) Landing

Note: Before carrying out the following adjustments adjust the magnets as indicated below [See Fig.3-4].

- 1. Input a crosshatch signal from the signal generator.
- 2. Rough-adjust the focus and horizontal convergence.
- 3. Switch from the crosshatch pattern to an all-red pattern.
- 4. Move the deflection yoke backwards and adjust with the purity magnet so that the red is at the centre and it aligns symmetrically [See Fig.3-5].
- 5. Move the deflection yoke forward to the point where the entire screen just becomes red [Mark its position].
- 6. Move the deflection yoke further forward until the screen just changes colour at the edges. [Mark its position]
- 7. Position the deflection yoke between the two marks indicated
- 8. Input a crosshatch pattern from the pattern generator and rotate the deflection yoke so that the horizontal lines are parallel with the top and bottom of the screen.
- When the position of the deflection yoke has been determined, fasten it with its fixing screw.
- Switch the pattern generator to green then blue and confirm the purity.
- 11. If the beam does not land correctly in all the corners of the screen, use disk magnets to correct it. [Confirm the corner landing for green and blue]

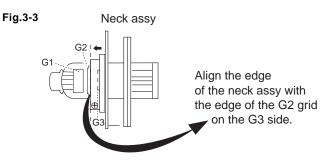
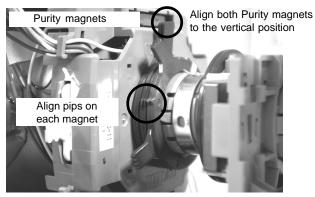


Fig.3-4



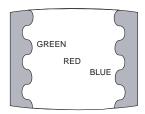
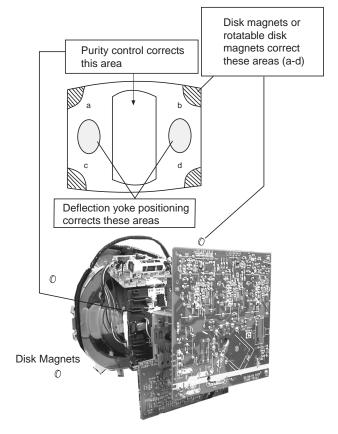
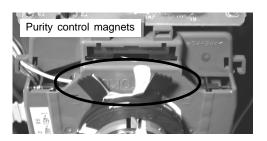


Fig.3-5

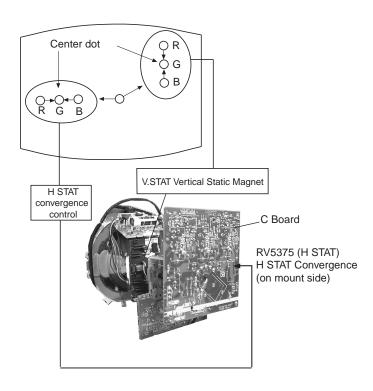




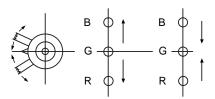
3-2. Convergence

(1) Screen centre convergence [Static convergence]

- 1. Input a dot pattern signal from the pattern generator.
- 2. Normalize the picture setting.
- [Moving vertically], adjust the V.STAT magnet so that the vertical red, green and blue dots coincide at the centre of the screen.

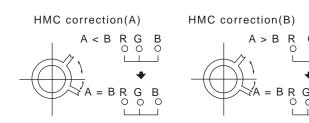


By opening or closing the V.STAT magnet, the red green and blue dots move in the direction indicated below.

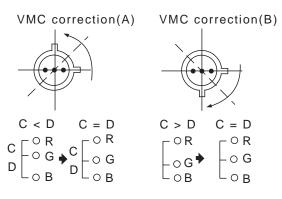


Note: Do not adjust the H.STAT by rotating the V.STAT magnets as this can affect the focus setting.

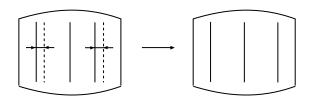
- 4. Correction for HMC [Horizontal mis-convergence] and VMC [Vertical mis-convergence] by using the BMC [Hexapole] magnet.
- a). HMC correction by BMC [Hexapole] magnet and movement of the electron beam.



b). VMC correction by BMC [Hexapole] magnet and movement of the electron beam.

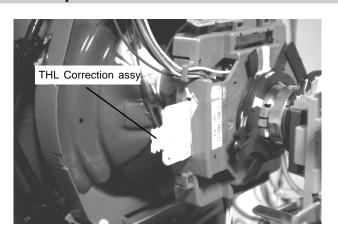


HAMP Adjustment

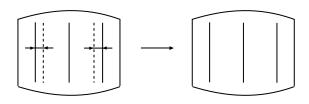


Adjust the HAMP using HAMPL and HAMPR registers in the Dynamic Convergence section of the service menu.

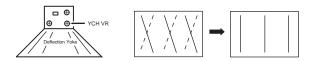
HTIL Adjustment



HTIL correction can be performed by adding a THL correction assembly to the Deflection yoke.



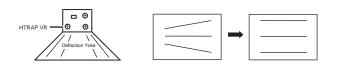
YCH Adjustment



TLV Adjustment

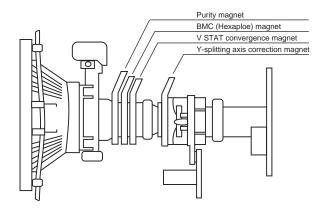


H-TRAP Adjustment

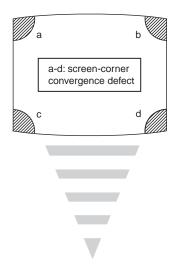


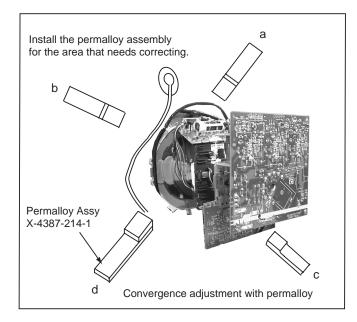
The H-TRAP should not be adjusted unless absolutely necessary as it affects the TLV settings.

Layout of each control



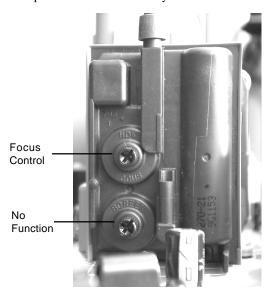
Note: If you are unable to adjust the corner convergence properly, this can be corrected with the use of permalloy magnets.





3-3. Focus, Screen (G2) Adjustment

- 1. Receive a television broadcast signal.
- 2. Normalize the picture setting.
- Adjust the focus control located on the flyback transformer to obtain the best focus at the centre of the screen.
 Bring only the centre area of the screen into focus, the magentaring appears on the screen. In this case, adjust the focus to optimize the screen uniformly.



G2 adjustment [RV5376]

- 1. Input a dot signal from the pattern generator.
- 2. Set the Picture, Brightness and Colour to minimum.
- 3. Apply 170V DC from an external power supply to the R, G and B cathodes of the CRT.
- Whilst watching the picture, adjust the G2 control RV5376 [SCREEN] located on the C Board to the point just before the flyback return lines disappear.

3-4. White Balance Adjustment

[Adjustment in the service mode using the remote commander]

White balance adjustment for TV mode

- 1. Input an all-white signal from the pattern generator.
- 2. Enter into the 'Service Mode' by pressing 'TEST', 'TEST' and 'MENU' 'MENU' on the Service Commander.
- 3. Select 'Backend' from the on screen menu display and press 'OK'.
- 4. The 'Backend' menu will appear on the screen.[See Page 26]
- 5. Set the 'Contrast' to MAX.
- 6. Set the 'R-Drive' to 41.
- 7. Adjust the 'G-Drive' and the 'B-Drive' so that the white balance becomes optimum.
- 8. Press the 'OK' button to write the data for each item.
- 9. Set the 'Contrast' to MIN.
- 10. Set the 'R-Cutoff' to 31.
- Adjust the 'G-Cutoff', and the 'B-Cutoff' with the left and right buttons on the remote commander so that the white balance becomes optimum.
- 12. Press the 'OK' button to write the data for each item.

SECTION 4 CIRCUIT ADJUSTMENTS

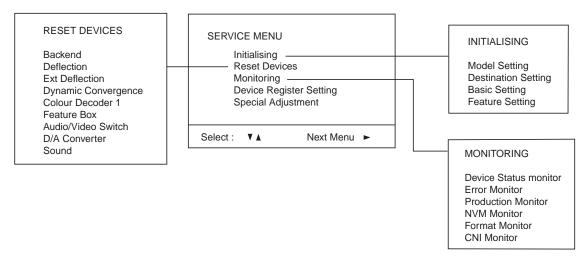
4-1. Electrical Adjustments

Service adjustments to this model can be performed using the supplied Remote Commander RM-887.

How to enter into the Service Mode



- 1. Turn on the main power switch of the set while pressing P + (plus) and P (minus) buttons on the side pop out control panel.
- 2. When the picture appears release the P+ and P- buttons.
- 3. 'TT' will appear in the upper right corner of the screen.
- 4. Press the 'MENU' button twice on the remote commander to obtain the service menu on the screen.



- 4. Push the joystick up or down on the remote commander to select the adjustment item.
- 5. Push the right button to proceed to the next menu.
- 6. If the required adjustment item is 'Deflection', push the down button to move to 'Deflection'.
- 7. Push the joystick to the right to enter into 'Deflection'.
- 8. Change the data in order to comply with each standard.

Note:

- · Before performing any adjustments ensure that the correct model has been selected in the 'Model Setting' menu.
- After carrying out the service adjustments, to prevent the customer accessing the 'Service Menu' switch the TV set OFF and then ON.

Initialising Menu

Initialising	
	Model Setting
	Destination Setting
	Basic Setting
	Feature Setting
Select :	Next menu:

Model Setting

The menu contains a list with all the available models of this software to set up the TV set in an easy way. The selection of a model is setting data for its features and hardware resources which cannot be detected by the automatic power on H/W detection as well as a special *model byte* to get an unique model identification for models which cannot be differed by features and hardware resources (e.g. KV-28FC60 and KV-28FC60Z)

Before data is set, the user will be asked if he really wants to set a new model. If the user agrees, automatically the destination setting menu is shown.

Model Setting	g	
1	KV-28FC60	Reset
2	KV-28FC60Z	
3	KV-29FC60	
4	KV-32FC60	
5	KV-32FC60Z	
6	KV-34FC60	
7	KV-28FQ75	
8	KV-29FQ75	
9	KV-32FQ75	
10	KV-34FQ75	
11	KV-28FS70	
12	KV-32FS70	
13	KV-36FS70	
14	KV-28FX65	
15	KV-29FX65	
16	KV-32FX65	
17	KV-29FQ65	
BLACK	= No Conformity	
GREEN	= Compatible Model	
RED	= Conformity for all d	lata

Table.4-1

Indication of Model Compatibility.

Black:

If any data does not match to specific model, the model name is displayed in black.

Green:

All data which is checked by model setting menu concurs to model except model byte.

Red:

All data which is checked by model setting menu concurs to model including model byte.

Note:

After selecting a model, it may be necessary to reset some devices to get the correct data. (Treble/Bass Offset of Sound, deflection adjustments, ...)

Basic Setting

Basic setting						
	Basio setting	,				
No	Descr	Min	Max	Data		
1	Sys.B/G	OFF	ON	ON		
2	Sys.D/K	OFF	ON	ON		
3	Sys.L	OFF	ON	OFF		
4	Sys.I (UK)	OFF	ON	OFF		
5	Sys.I (IRL)	OFF	ON	ON		
6	TXTNat.option	1	4	3		
7	16:9 CRT	OFF	ON	OFF		
8	Sub-woofer	OFF	ON	ON		
9	Auto stand-by	OFF	ON	ON		
10	Comb-filter	OFF	ON	OFF		
11	Auto YC det	OFF	ON	ON		
12	Auto comb det	OFF	ON	OFF		
13	AV2 Available	OFF	ON	ON		
14	AV3 Available	OFF	ON	ON		
15	AV4 Available	OFF	ON	ON		
16	AV3 Fr & rear	OFF	ON	OFF		
17	SECAM Tape	OFF	ON	OFF		
18	AV1 Sound Mute	OFF	ON	OFF		

Table.4-2

Feature Setting

		Feature setting			
No	Descr		Min	Max	Data
1	EPG		OFF	ON	ON

Table.4-3

Device Register Setting

Backend
Deflection
Ext Deflection
Dynamic Convergence
Colour Decoder 1
D/A Converter
Feature High End
Audio / Video Switch
Sound

Table.4-4

Audio / Video Switch						
No	Descr	Def	Min	Max	Data	
1	CVOUT1	0	0	7	0	
2	CVOUT2	2	0	7	2	
3	GD1 SW	OFF	OFF	ON	OFF	
4	GD2 SW	OFF	OFF	ON	OFF	
5	YCOUT 1	0	0	7	0	
6	YCOUT 2	1	0	7	1	
7	LO0CTRL	OFF	OFF	ON	OFF	
8	LO1CTRL	OFF	OFF	ON	OFF	
9	AOUT 1	3	0	7	3	
10	AOUT 2	3	0	7	3	
11	AOUT 3MUTE	OFF	OFF	ON	OFF	
12	ZCD SW	ON	OFF	ON	ON	
13	AOUT 3	3	0	7	3	
14	GROUP DEL	15	0	31	15	
15	AOUT3 L/R	0	0	3	0	
16	AOUT3VOLF	0	0	7	0	
17	AOUT3VOLC	3	0	7	3	

Table.4-5

Special Adjustment						
No	Descr	Min	Max	Data		
1	RGB level	0	7	0		
2	RGB Gain	0	, 31	8		
3	RGB PatLevel	0	7	0		
4	RGB Patgain	0	31	15		
5	Extra Fw	0	255	255		
6	EPG Chks Check	OFF	ON	ON		
7	Slicer High	OFF	ON	ON		
8	FCW Wide	OFF	ON	ON		
9	Mpeg NR	OFF	ON	OFF		
10	Notch Filter	OFF	ON	OFF		
11	NLD Step	-7	0	0		
12	PKD Step	-15	0	0		
13	CRD Step	0	15	7		
14	SHP Step	-10	0	-3		
15	COL Step	-10	0	-1		
16	SHP gain Step	-5	0	0		
17	VM level Step	-3	0	0		
18	NTSC Auto YC AV2	OFF	ON	OFF		
19	NTSC Auto YC AV3	OFF	ON	OFF		
20	RGB Disable	OFF	ON	OFF		
21	Intern GD	OFF	ON	ON		
22	AV2 YC Mix Out	OFF	ON	ON		

Table.4-6

		Backend	I		
No	Descr	Def	Min	Max	Data
1	R-on	ON	OFF	ON	ON
2	G-on	ON	OFF	ON	ON
3	B-on	ON	OFF	ON	ON
4	D-col	OFF	OFF	ON	OFF
5	Color-axis	2	0	3	2
6	Contrast	40	0	63	40
7	Limit-Luv	3	0	3	3
8	Hue	32	0	63	32
9	Colour	31	0	63	31
10	CTI-Level	2	0	3	2
11	Brightness	31	0	63	31
12	Gamma	3	0	3	3
13	Sharpness	30	0	63	30
14	R-Drive	41	0	63	41
15	G-Drive	41	0	63	30
16	B-Drive	41	0	63	23
17	ABL-Mode	0	0	3	0
18	Sub Bright	31	0	63	22
19	VM-Level	2	0	3	1
20	R-Cutoff	31	0	63	31
21	Preover	2	0	3	2
22	G-Cutoff	31	0	63	23
23	DPIC-Level	1	0	3	1
24	B-Cutoff	31	0	63	29
25	DC-Tran	0	0	3	0
26	Sub-Cont	7	0	15	9
27	LRGB2-Lvl	8	0	15	0
28	P-Abl	15	0	15	15
29	Sharp.Fo	ON	OFF	ON	ON
30	Aging-W	OFF	OFF	ON	OFF
31	Aging-B	OFF	OFF	ON	OFF
32	CB-offset1	11	0	15	11
33	CR-offset1	11	0	15	11
34	CB-offset2	7	0	15	7
35	CR-offset2	7	0	15	7
36	Sub Color	0	-8	8	-2

Table.4-7

	-								
Colour Decoder 1									
No	Descr	Descr Def Min Max D							
1	Tint	31	0	63	31				
2	P/N Gw	OFF	OFF	ON	OFF				
3	P/N ID	OFF	OFF	ON	OFF				
4	Sub Colour	7	0	15	7				
5	Sub Contr	8	0	15	8				
6	Sharp FO	1	0	3	1				
7	Sharp EQ	2	0	3	2				
8	Sharp Gain	8	0	15	8				
9	Y-Out Lev	35	0	63	35				
10	BS Point	0	0	3	0				
11	C-Out Lev	45	0	63	45				
12	DC Rest	0	0	3	0				
13	BPF FO	2	0	3	2				
14	BPF Q	1	0	3	1				
15	Filter Sw	OFF	OFF	ON	OFF				

Table.4-8

	Coloui	Decoder	1 (cont)		
No	Descr	Def	Min	Max	Data
16	C-Trap Sw	0	0	1	0
17	S-D Trap	ON	OFF	ON	ON
18	LPF	ON	OFF	ON	ON
19	Y-DL	8	0	10	8
20	N-Comb	ON	OFF	ON	ON
21	Video Sel	0	0	15	0
22	RGB Sel	0	0	3	0
23	Halftone	OFF	OFF	ON	OFF
24	CrOFF.1	7	0	15	7
25	CbOFF.1	7	0	15	7
26	CrOFF.2	7	0	15	7
27	CbOFF.2	7	0	15	7
28	VCD Freq	3	0	7	3
29	VCD Mode	0	0	3	1
30	AFC SENS	1	0	3	1
31	MVM	OFF	OFF	ON	OFF
32	S-R-Y Adj	6	0	15	6
33	S-B-Y Adj	4	0	15	4
34	BELL/HPF	2	0	3	2
35	BELL FO	OFF	OFF	ON	OFF
36	S-GP	0	0	3	0
37	SID	OFF	OFF	ON	OFF
38	RGB1 ENB	OFF	OFF	ON	OFF
39	HS-PH	1	0	1	0
40	S/N RATIO	3	0	3	3

Table.4-9

	Dynan	nic Conve	ergence							
No	Descr	Descr Def Min Max D								
1	Range	63	0	63	63					
2	V Stat	36	0	63	17					
3	H Stat	33	0	63	31					
4	H amp L	37	0	63	33					
5	H amp R	36	0	63	33					
6	Up Y	31	0	63	31					
7	Low Y	33	0	63	31					
8	Y up L	30	0	63	45					
9	Y up R	30	0	63	31					
10	Y low L	31	0	63	31					
11	Y low R	30	0	63	45					
12	Mbow Up L	31	0	63	31					
13	Mbow Up R	32	0	63	31					
14	Mbow Low L	32	0	63	31					
15	Mbow Low R	32	0	63	31					
16	T Cor PCtrl	OFF	OFF	ON	OFF					
17	Top Cor Pin	31	0	63	31					
18	B Cor PCtrl	OFF	OFF	ON	OFF					
19	Bot Cor Pin	43	0	63	31					

Table.4-10

		Sound			
No	Descr	Def	Min	Max	Data
1	Ref.Level	40	0	20	40
2	Auto-gain	ON	OFF	ON	ON
3	Ana-in	0	0	1	0
4	Carr-mute	ON	OFF	ON	ON
5	Clock out	ON	OFF	ON	ON
6	AM-gain	ON	OFF	ON	ON
7	Clip mode	0	0	2	0
8	SCART1 Vol	79	0	127	79
9	SCART2 Vol	79	0	127	79
10	SCART Pr	27	0	127	27
11	I2S1-pr	16	0	127	16
12	I2S2-pr	16	0	127	16
13	FM pr	27	0	127	27
14	BG Nic-pr	53	0	127	53
15	L Nic-pr	59	0	127	59
16	DK Nic-pr	53	0	127	53
17	I Nic-pr	97	0	127	97
18	Irl Nic-pr	97	0	127	97
19	AVC-Decay	2	0	8	2
20	SubW-vol	0	-127	0	0
21	SubW-freq	20	5	40	20
22	SubW-HPass	OFF	OFF	ON	OFF
23	Spat-stre	+127	0	-1	127
24	Spat-Coeff	0	0	8	0
25	Bass offs	0	-3	+3	0
26	Treble offs	0	-3	+3	0
27	Loudn offs	0	0	9	0
28	Hp-Voloffs	-2	-5	+5	-2
29	M-S Limit	+30	-128	+127	30
30	M-B Limit	-30	-128	+127	-30
31	S-M Limit	+12	-128	+127	12
32	S-B Limit	-20	-128	+127	-20
33	B-M Limit	-12	-128	+127	-12
34	B-S Limit	+20	-128	+127	20
35	Err.Max	40	0	255	40
36	Err.Min	18	0	255	18
37	Vol.Offs	0	-6	0	-4

Table.4-11

	Ex	kt. Deflect	ion		
No	Descr	Def	Min	Max	Data
1	Linearity	127	0	255	127
2	H Centre	31	0	63	31
3	H Trap	31	0	63	31
4	Rotation	0	0	255	0
5	FocusPhase	127	0	255	127

Table.4-12

		Deflection	n		
l	_				_
No	Descr	Def	Min	Max	Data
1	V-Size	31	0	63	35
2	V-Position	31	0	63	30
3	V-Comp	1	0	3	0
4	V-Linear	7	0	15	7
5	S-Corr	7	0	15	7
6	H-Size	31	0	63	27
7	EW-DC	OFF	OFF	ON	OFF
8	Akb Tim2	OFF	OFF	ON	OFF
9	Pin-Amp	31	0	63	29
10	H-Comp	0	0	3	0
11	Up-Cpin	31	0	63	35
12	M-Pin	2	0	3	2
13	Lo-CPin	31	0	63	34
14	Trapezium	7	0	15	6
15	H-Position	31	0	63	25
16	VblKw	0	0	3	0
17	AFC-Bow	7	0	15	7
18	AFC-Angle	7	0	15	10
19	Left-Blk	38	0	63	52
20	Right-Blk	12	0	63	11
21	V-Freerun	0	0	3	0
22	V-Aspect	47	0	63	47
23	Zoom-Sw	OFF	OFF	ON	OFF
24	U-Scan	OFF	OFF	ON	OFF
25	V-Scroll	31	0	63	31
26	Akb-Tim	0	0	3	2
27	Up-Vlin	0	0	15	0
28	Lo-Vlin	0	0	15	0

Table.4-13

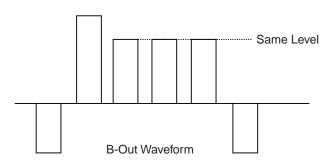
Deflection System Adjustment

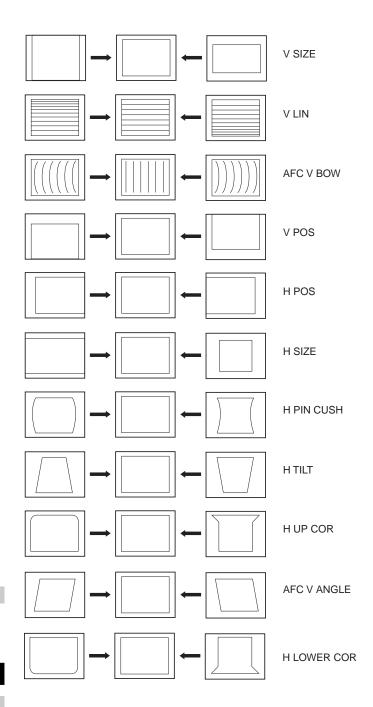
- 1. Enter into the service mode and select 'Deflection' from the menu. The 'Deflection' adjustment menu will be displayed.
- 2. Select and adjust each item to obtain the optimum image.

4-2. Volume Electrical Adjustments

Sub Colour Adjustment

- 1. Input a PAL colour bar signal.
- 2. Connect an oscilloscope to CN5400 pin 5 located on the C Board.
- 3. Enter into the 'Service Mode'.
- 4. Choose 'Backend' from the menu.
- Adjust 'Sub Colour' data so that the right sides of the waveform are of equal height.





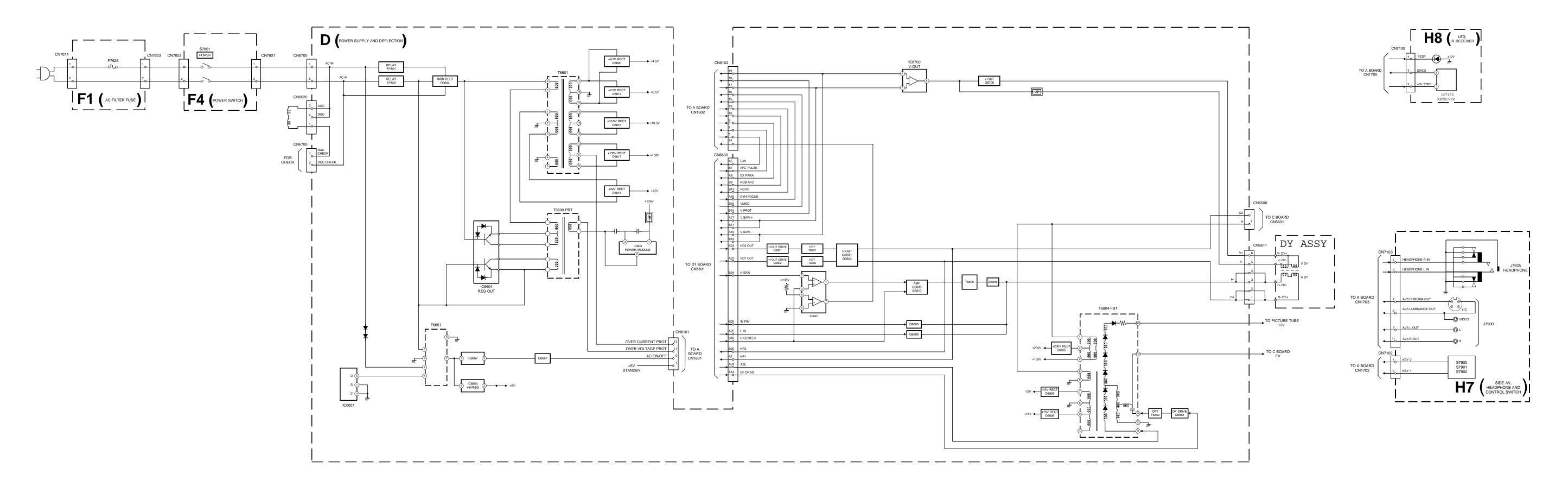
4-3.TEST MODE 2:

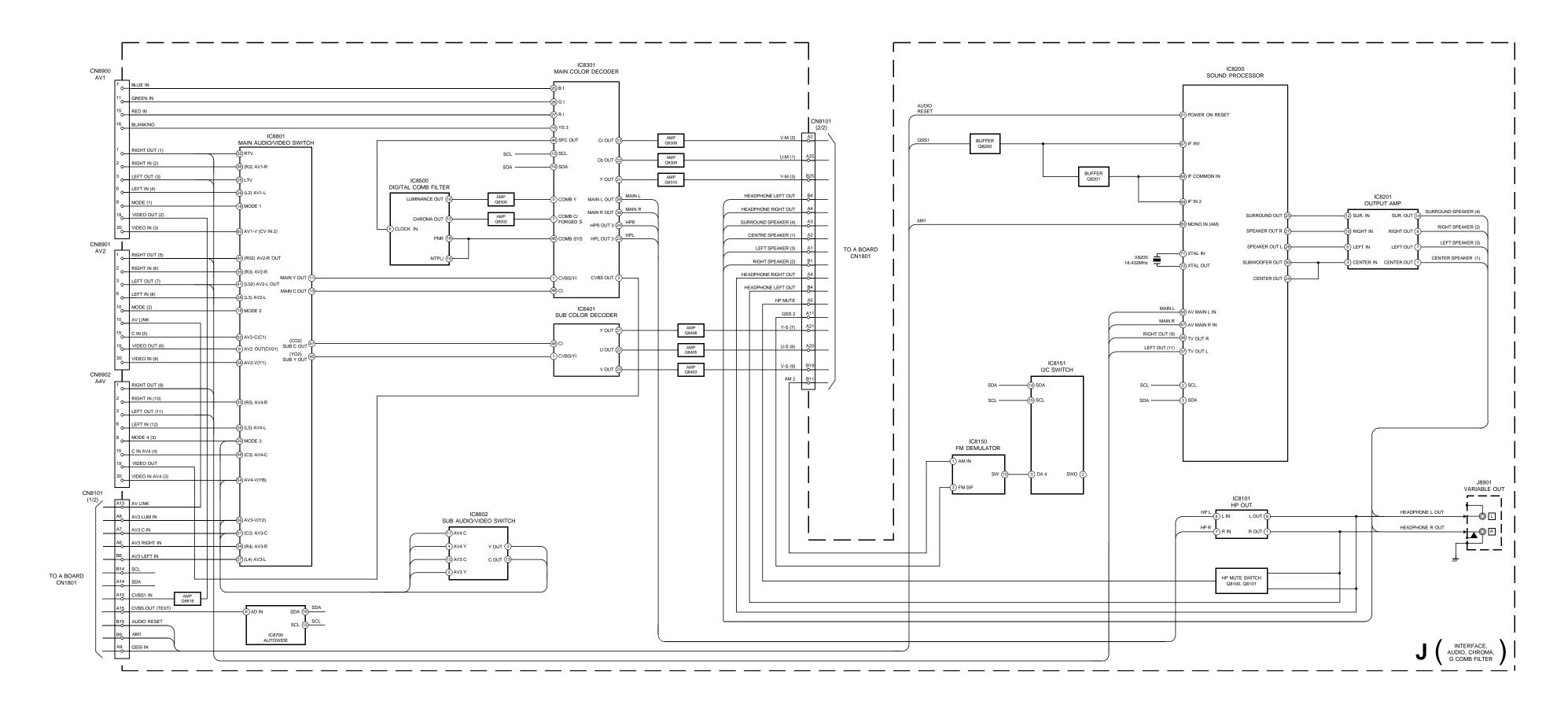
Is available by pressing the 'TEST' button twice, OSD 'TT' appears. The functions described below are available by selecting the two numbers. To release the 'Test mode 2', press 0, 10, 20 ... twice or switch the TV set into Stand-by mode. Pressing the two Local Control buttons (+ and -) during power ON will also switch into 'TT' mode.

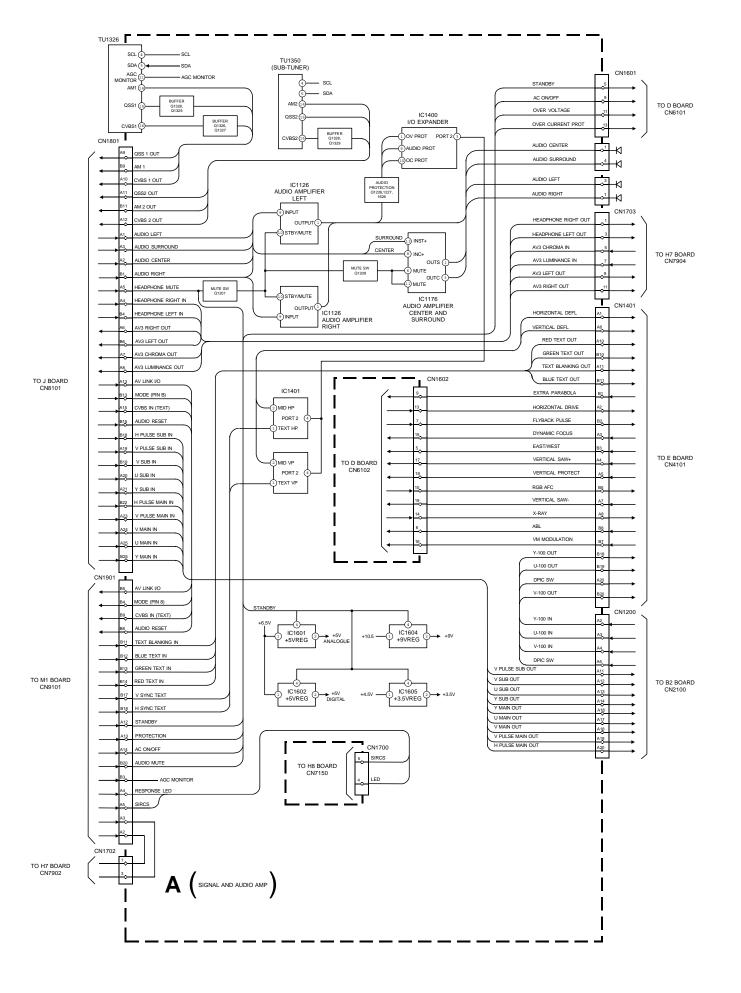
In 'TT' mode, it is possible to remove the Menu from the screen by pressing the Speaker Off button once. Pressing the Speaker OFF button a second time will cause the Menu to reappear. The function is kept even when the menu is not displayed on screen!!.

00	'TT' mode off
01	Picture maximum
02	Picture minimum
03	Set speaker/headphone Volume to 30%
04	Set speaker/headphone Volume to 50%
05	Set speaker/headphone Volume to 65%
06	Set speaker/headphone Volume to 80%
07	Ageing mode
08	Shipping Condition
10	No function
11	Sub picture adjustment
12	Sub colour adjustment
13	Display software version and TV set configeration
14	No function
15	Picture Rotation - Auto Function -5 -> 0 -> + 5
16	Picture level 50%
17	Audio mute on
18	No function
19	Sub brightness adjustment
20	No function
21	Destination A includes text settings, display TV status
22	Destination L includes text settings, display TV status
23	Destination E includes text settings, display TV status
24	Destination U includes text settings, display TV status
25	Destination D includes text settings, display TV status
26	Destination B includes text settings, display TV status
27	Destination K includes text settings, display TV status
28	Destination R includes text settings, display TV status
30	No function
31	Geometry Adjustment 1
32	Geometry Adjustment 2
33	Error monitor
34	No function
35	CRT 4:3 <> 16:9 ; Display TV status
36	Line 23 detection switch
37	Velocity Modulation (VM) test
38	No function
39	No function
40	No function
41	Screen mode check
42	Re-initialise geometry
43	No function
44	No function
45	No function
46	Reserved for dealer commander
47	Re-initialise NVM
48	Set NVM as non virgin
49	Set NVM as virgin
50	No function
51	Set Dolby volume to 90%
52	Dolby on left speaker only
53	Dolby on right speaker only

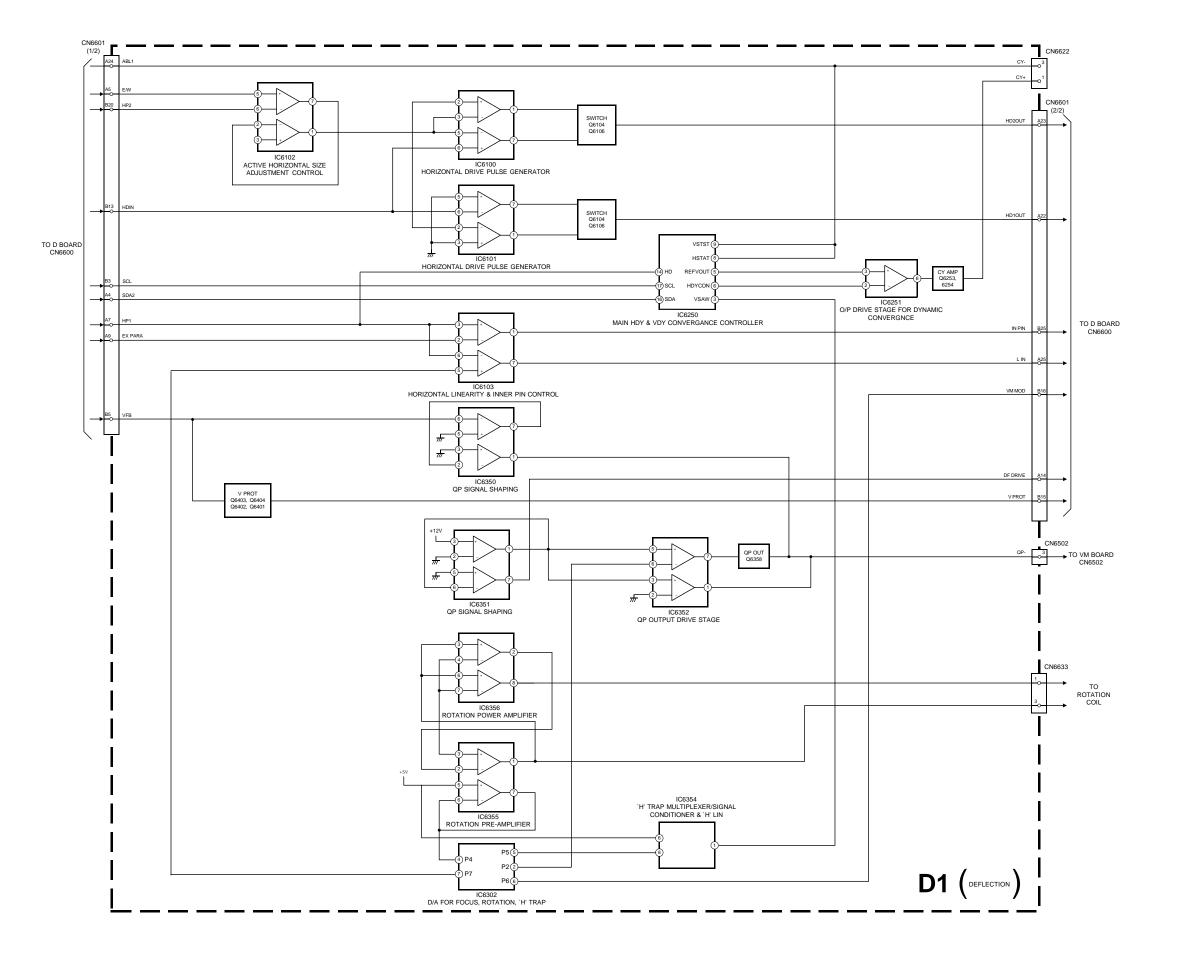
54	Dolby on left centre only
55	Dolby on surround speaker only
56	No function
57	No function
58	No function
59	No function
60	No function
61	Service mode
62	Production mode
63	Copy the picture reset data from ROM into the picture reset location of NVM
64	Copy the actual adj picture data from NVM to reset location of NVM
65	Reset error codes
66	No function
67	No function
68	Ignore error on
69	Ignore errors off
70	No function
71	No function
72	No function
73	Clear all programmes except 1-5 and all station labels
74	Adjustment for PIN Amp/Upper Corner Pin for EPG
75	Adjustment for Lower Corner Pin/ Trapezoid for EPG
76	No function
77	No function
78	No video blanking
79	Reset NVM Addresses 0EFF - 0FFF
80	No function
81	Smart Link test signal on AV2 Pin 10.
82	Horizontal centre adjustment for MID-X input main picture. Adjustment is done with left and right joystick button, released by "TV" or "OK" buttons.
83	
86	No function
87	Personal ID reset
88	Parental Lock off
89	OSD mute on/off
90	No function
91	No function
92	No function
93	Reserved for software group only
94	No function
95	Dolby Low Pass Filter ON in surround channel
96	Dolby Low Pass Filter OFF in surround channel
97	No action
98	No action
99	No function

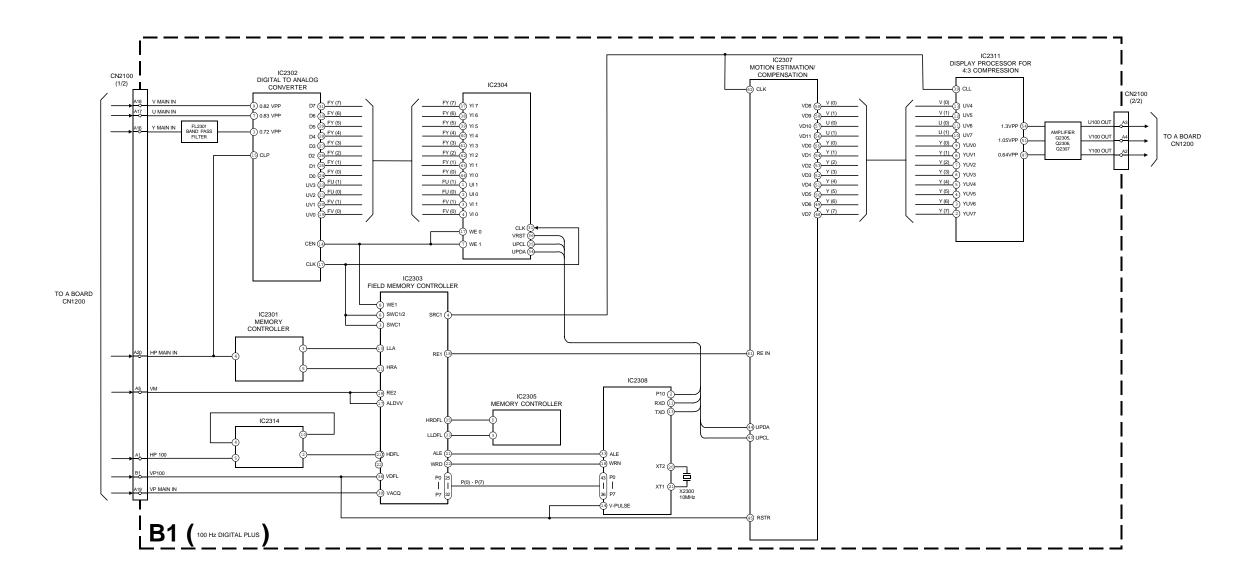




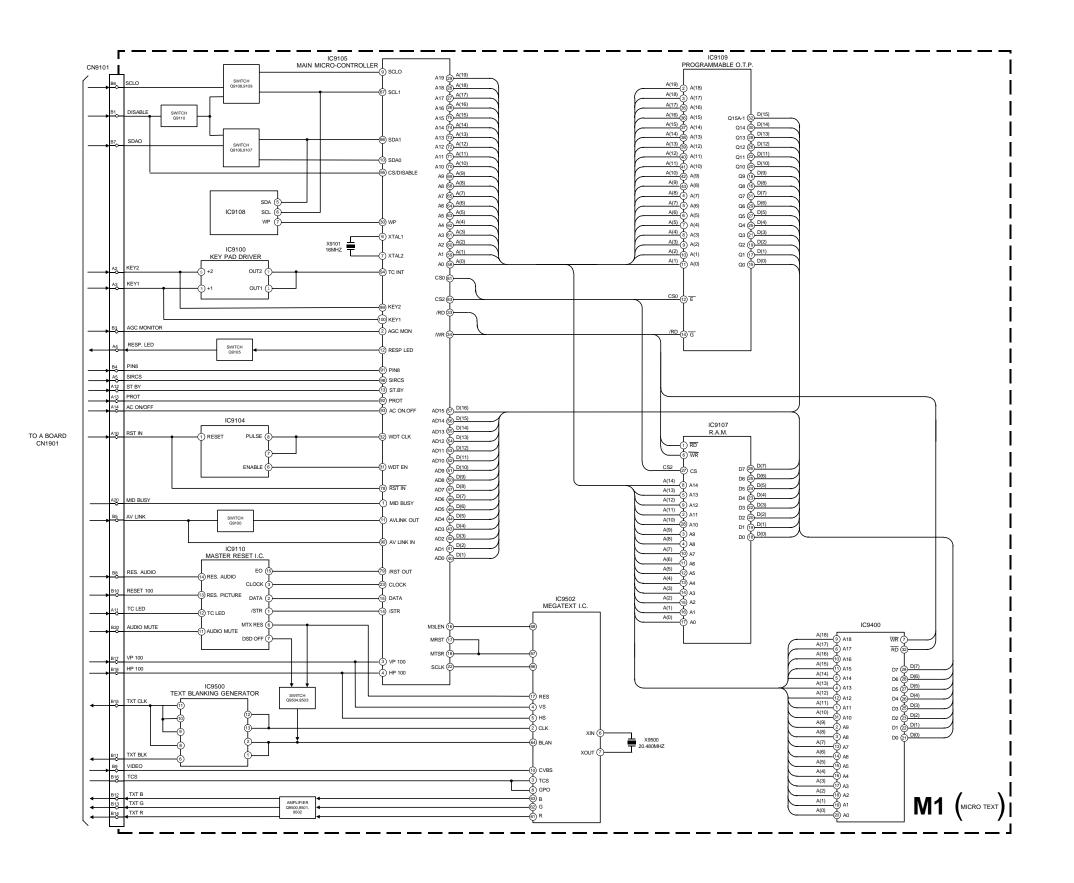


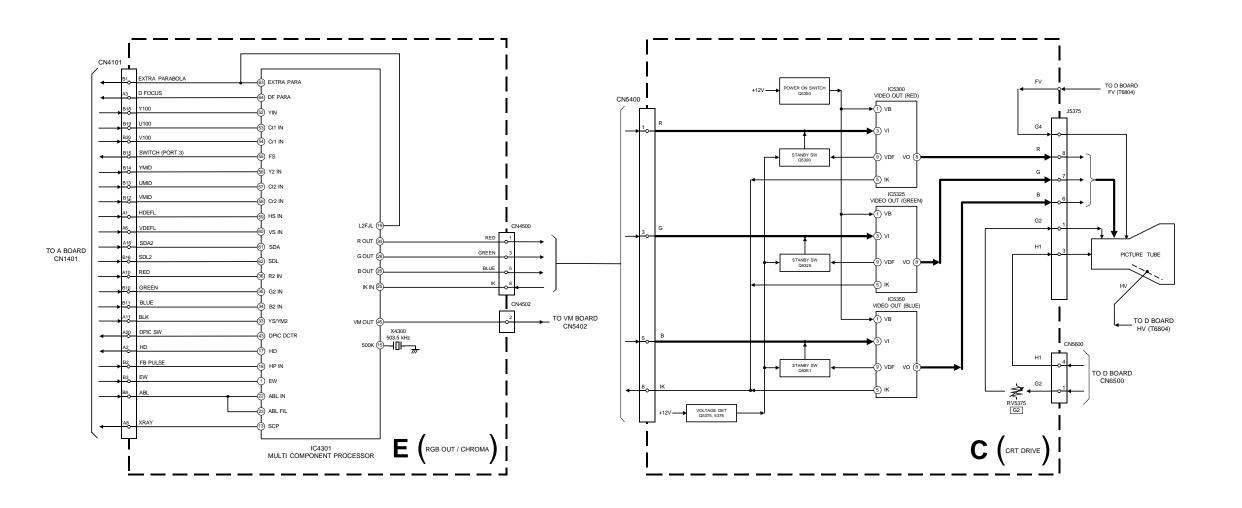
5-1. BLOCK DIAGRAMS (3)

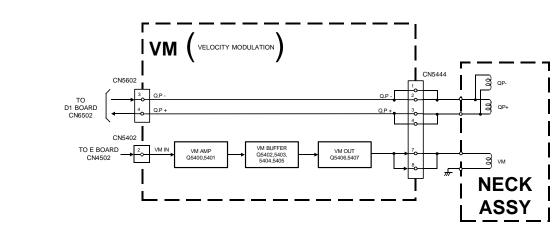




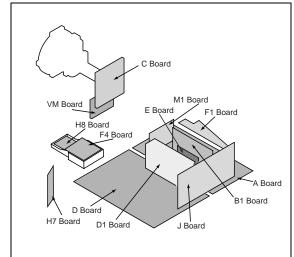
5-1. BLOCK DIAGRAMS (4)







5-2. CIRCUIT BOARD LOCATION



5-3. SCHEMATIC DIAGRAMS AND PRINTED WIRING BOARDS

- pF : μμF 50WV or less are not indicated except for
- Indication of resistance, which does not have one for

Pitch: 5mm

- k = 1000 ohms, M = 1000,000 ohms

- \triangle : internal component.
- : panel designation or adjustment for repair.
- All voltages are in Volts.

- Voltage variations may be noted due to normal production tolerences.

- All capacitors are in µF unless otherwise noted.
- electrolytic types.

rating electrical power, is as follows.

Electrical power rating: 1/4W

- Chip resistors are 1/10W
- All resistors are in ohms.
- : nonflammable resistor.
- fusible resistor.
- All variable and adjustable resistors have
- characteristic curve B, unless otherwise noted.
- Readings are taken with a 10Mohm digital mutimeter.
- Readings are taken with a color bar input signal.

• : B + bus.

• = = : B - bus.

• : earth - chassis.

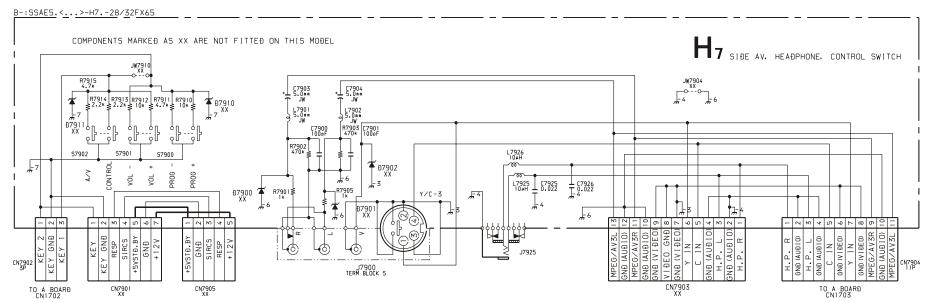
Reference Information

RN	: METAL FILM		
RC	: SOLID		
FPRD	: NON FLAMMABLE CARBON		
FUSE	: NON FLAMMABLE FUSIBLE		
RS	: NON FLAMMABLE METAL OXIDE		
RB	: NON FLAMMABLE CEMENT		
RW	: NON FLAMMABLE WIREWOUND		
*	: ADJUSTMENT RESISTOR		
LF-8L	: MICRO INDUCTOR		
TA	: TANTALUM		
PS	: STYROL		
PP	: POLYPROPYLENE		
PT	: MYLAR		
MPS	: METALIZED POLYESTER		
MPP	: METALIZED POLYPROPYLENE		
ALB	: BIPOLAR		
ALT	: HIGH TEMPERATURE		
ΔIR	: HIGH RIPPLE		
	RC FPRD FUSE RS RB RW LF-8L TA PS PP PT MPS MPP ALB		

Note: The components identified by shading and marked Δ are critical for safety. Replace only with the part numbers specified in the parts list.

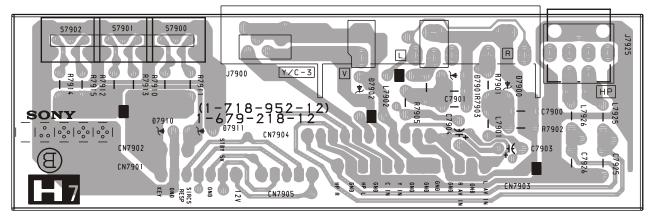
Note: Les composants identifiés par une trame et par une marque \triangle sont d'une importance critique pour la sécurité. Ne les remplacer que par des pièces de numéro spécifié. specified.

H7[FRONT AV, S-VIDEO]

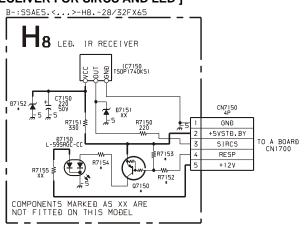


H8[PRINTED WIRING BOARD]

H7[PRINTED WIRING BOARD]

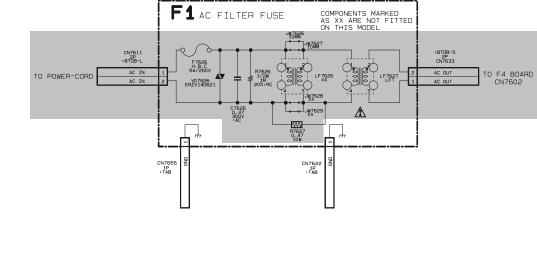


H8[IR RECEIVER FOR SIRCS AND LED]



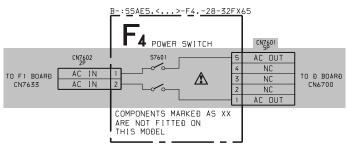
Ref	28FX65B	28FX65E	28FX65U	32FX65B	32FX65E	32FX65K	32FX65U
D7152	MTZJ-T-77-5.6B	MTZJ-T-77-5.6B	MTZJ-T-77-5.6B	-	-	-	MTZJ-T-77-5.6B
Q7150	DTA144ESA-TP	DTA144ESA-TP	DTA144ESA-TP	-	-	-	DTA144ESA-TP
R7152	JW (5.0MM)	JW (5.0MM)	JW (5.0MM)	-	-	-	JW (5.0MM)
R7153	4.7K	4.7K	4.7K	-	-	-	4.7K
R7154	270	270	270	-	-	-	270

F1 [AC FILTER FUSE]

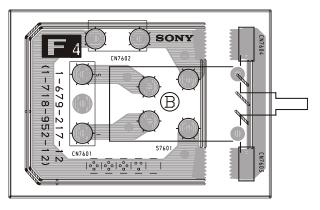


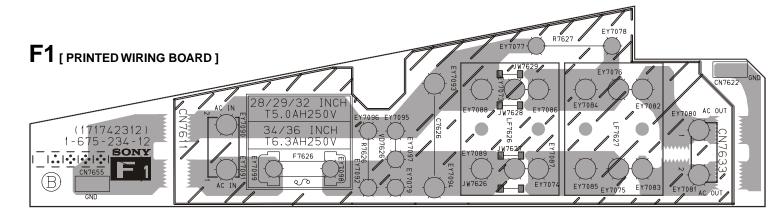
F1.-28-32FX65

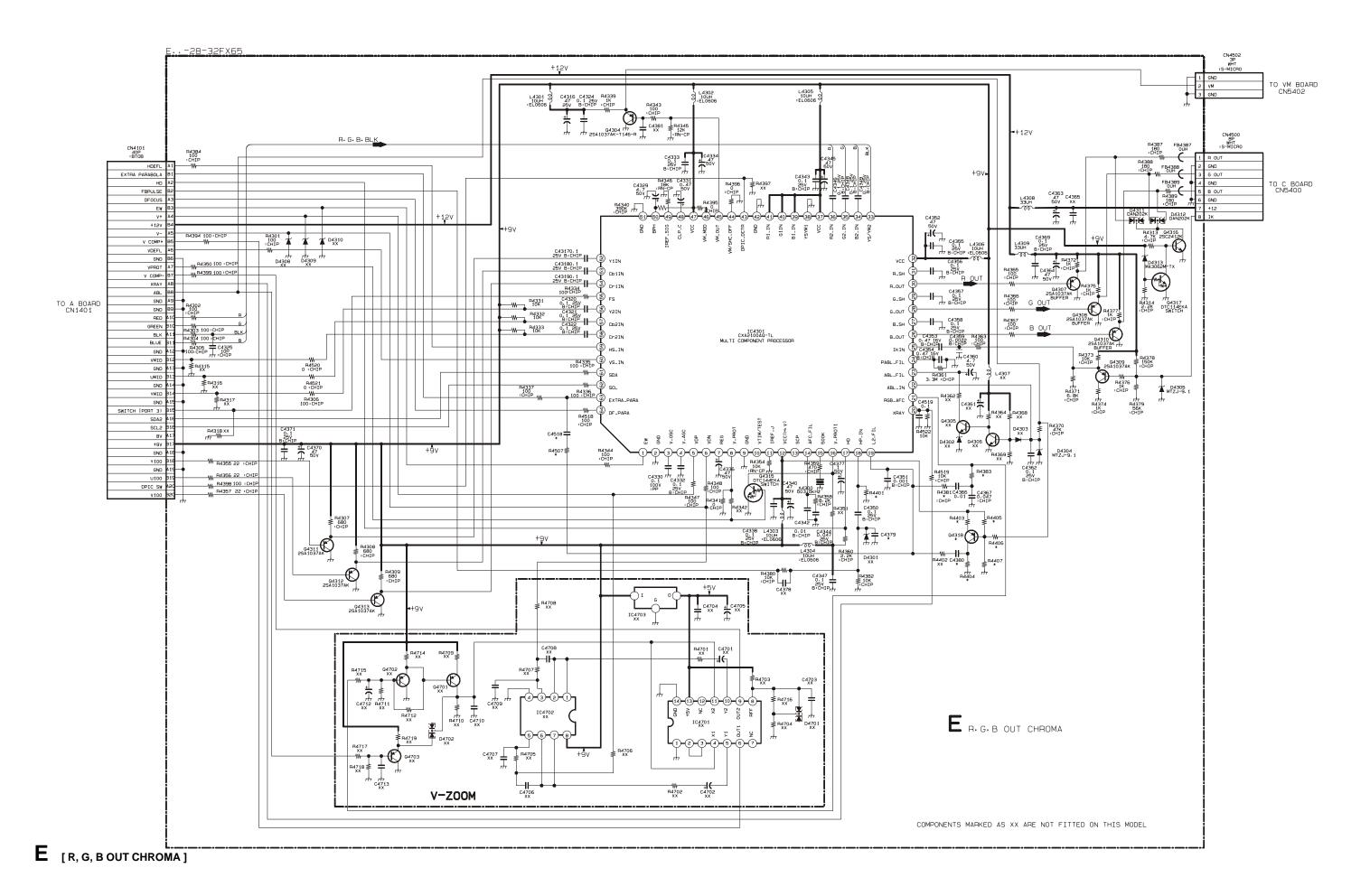
F4[POWER SWITCH]



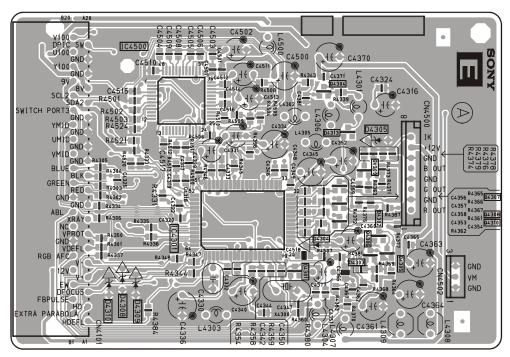
F4[PRINTED WIRING BOARD]



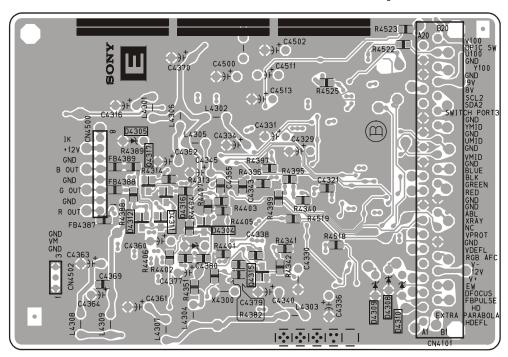




E [PRINTED WIRING BOARD (A side)]

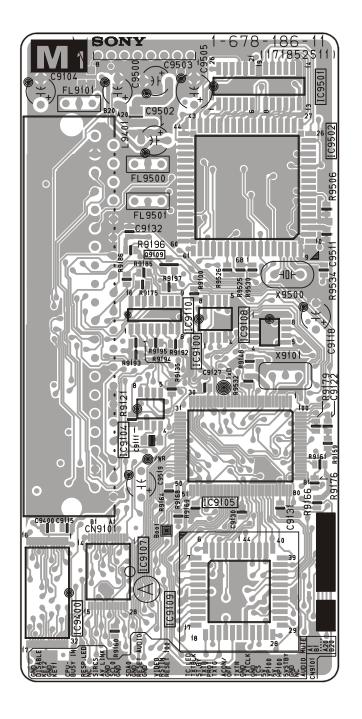


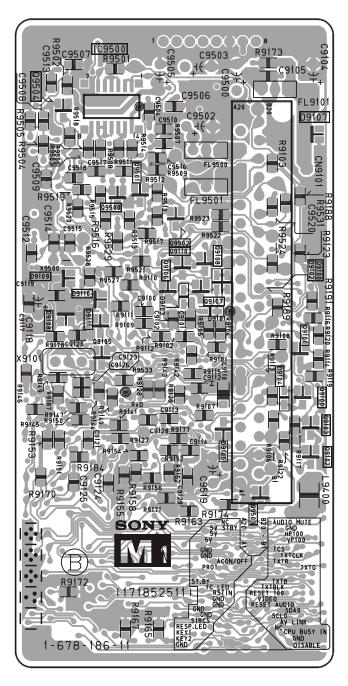
E [PRINTED WIRING BOARD (B side)]



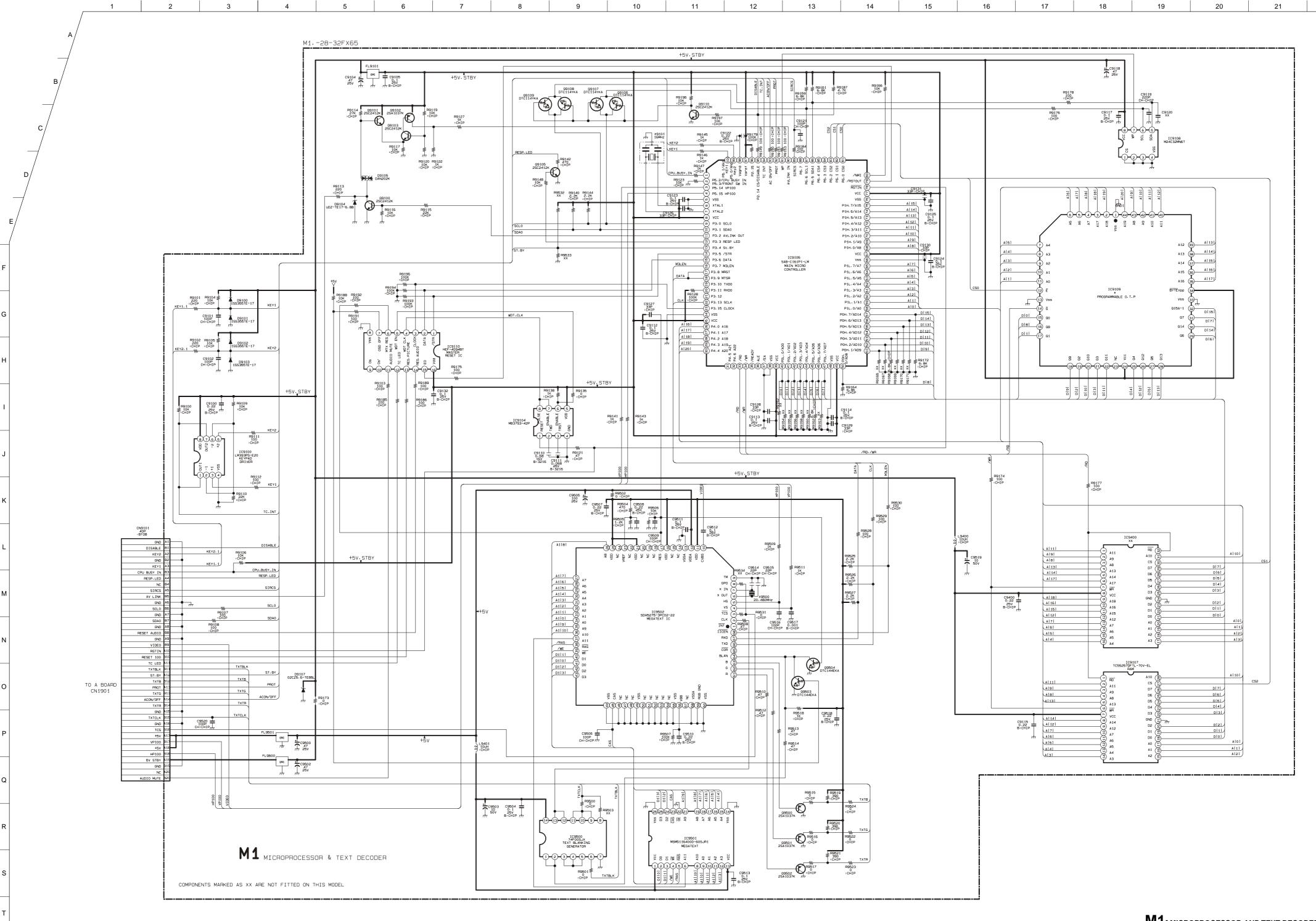
Ref	28FX65B	28FX65E	28FX65U	32FX65B	32FX65E	32FX65K	32FX65U
C4379	47PF	47PF	47PF	-	-	-	47PF
C4380	-	-	-	-	-	-	0.0047UF
C4518	-	-	-	1UF	1UF	1UF	-
Q4318	-	-	-	-	-	-	2SA1037AK- T146-R
R4381	-	-	-	1.5M	1.5M	1.5M	-
R4383	18K	18K	18K	47K	47K	47K	18K
R4401	220K	220K	220K	270K	270K	270K	220K
R4403	-	-	-	-	-	-	10K
R4404	10K	10K	10K	-	-	-	10K
R4405	-	-	-	-	-	-	39K
R4406	-	-	-	-	-	-	220K
R4407	-	-	-	-	-	-	56K
R4507	-	-	-	2.2M	2.2M	2.2M	-

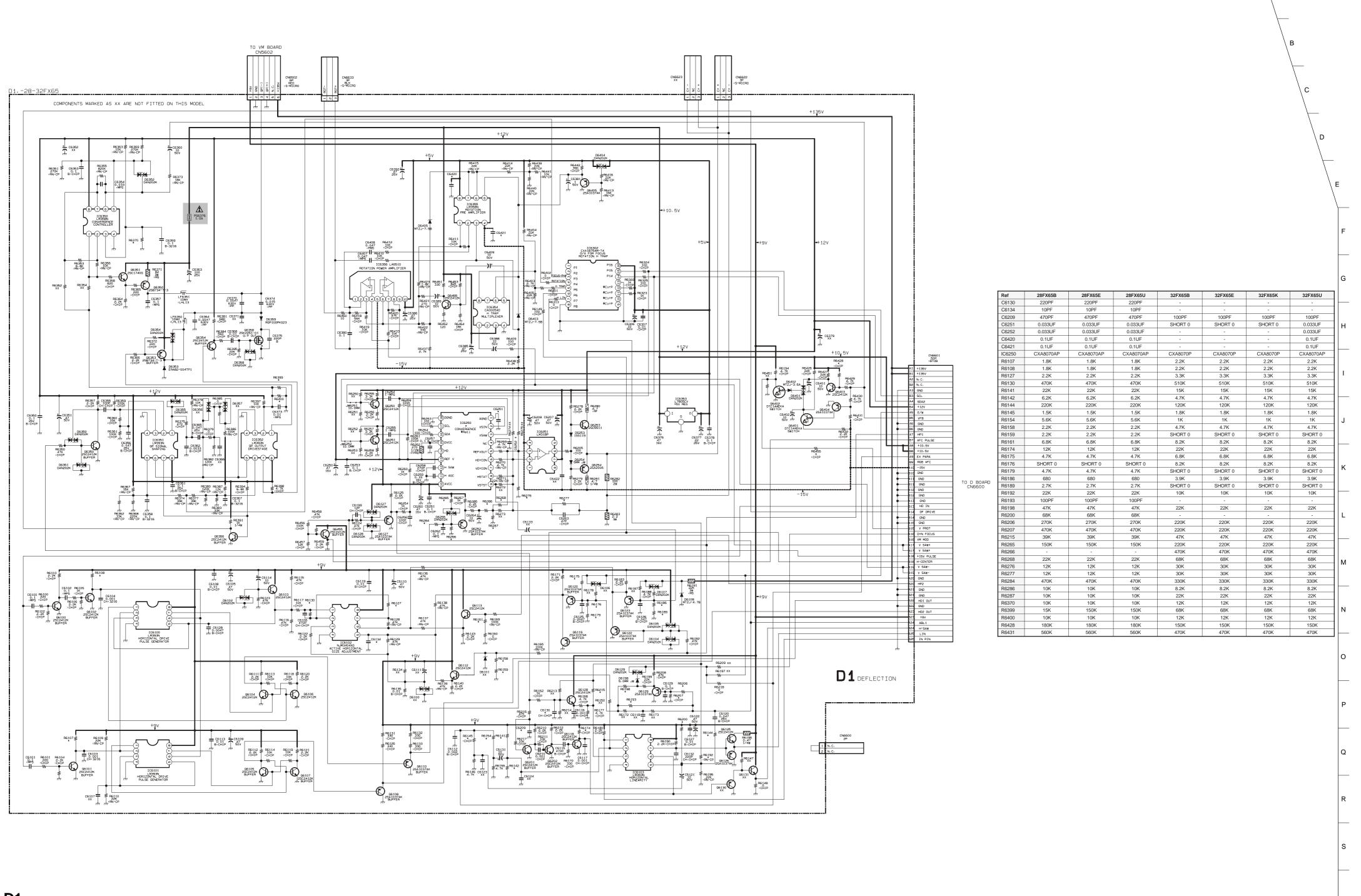
M1 [PRINTED WIRING BOARD (A side)]

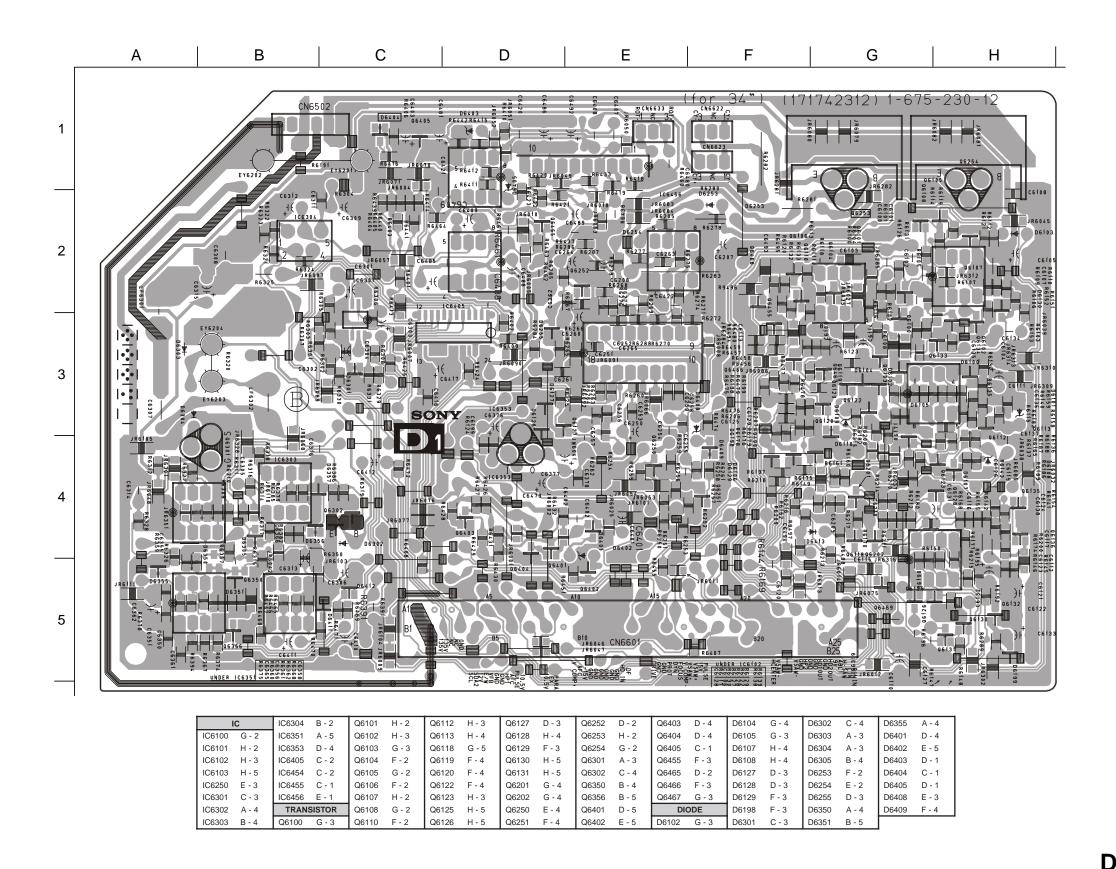




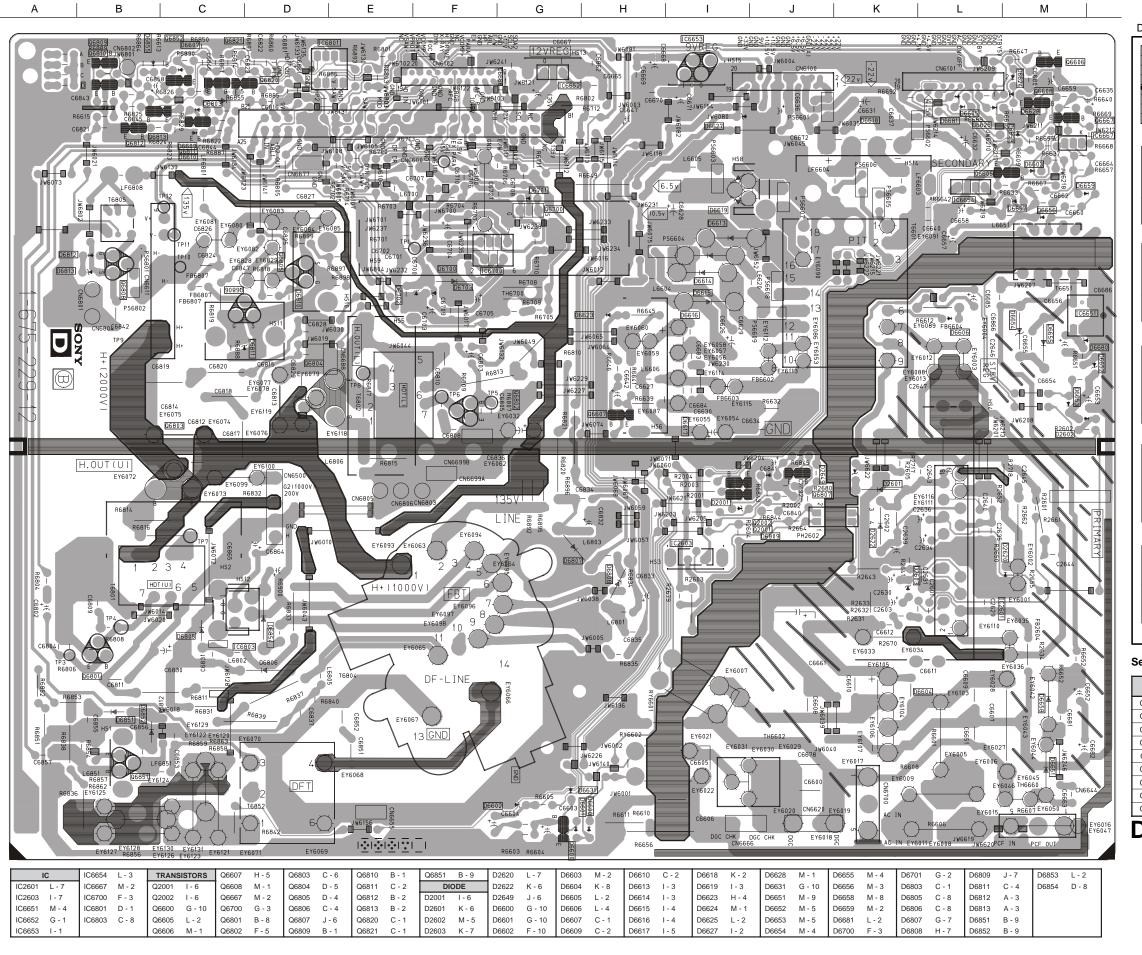
-	Ref	28FX65B	28FX65E	28FX65U	32FX65B	32FX65E	32FX65K	32FX65U
	IC9109	M27C800-100K1	M27C800-100K1	M27C800-100K1	M27C800-100K1- AE520	M27C800-100K1- AE520	M27C800-100K1- AE520	M27C800-100K1

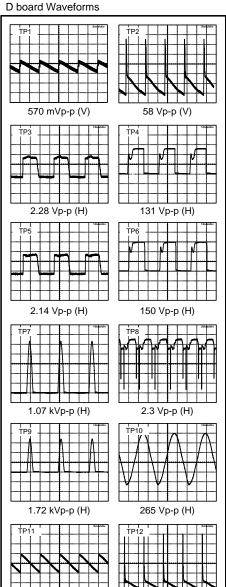






D1 [PRINTED WIRING BOARD]





	IC '	Voltage	Table
ı	Ref No	Pin No	Voltage (V)
ı		1	134.7
ı	IC6600	2	2.5
ı	100000	3	9.1
ı		4	0
ı		1	1.4
ı		3	-12.2
ı	IC6700	5	-0.8
ı		6	15.0
ı		7	1.4
ı		1	0
ı		2	0
ı	IC6801	3	0
ı	100001	5	2.2
ı		6	6.7
ı		7	0.1

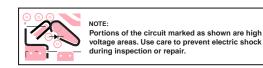
Semiconductor Voltage Table

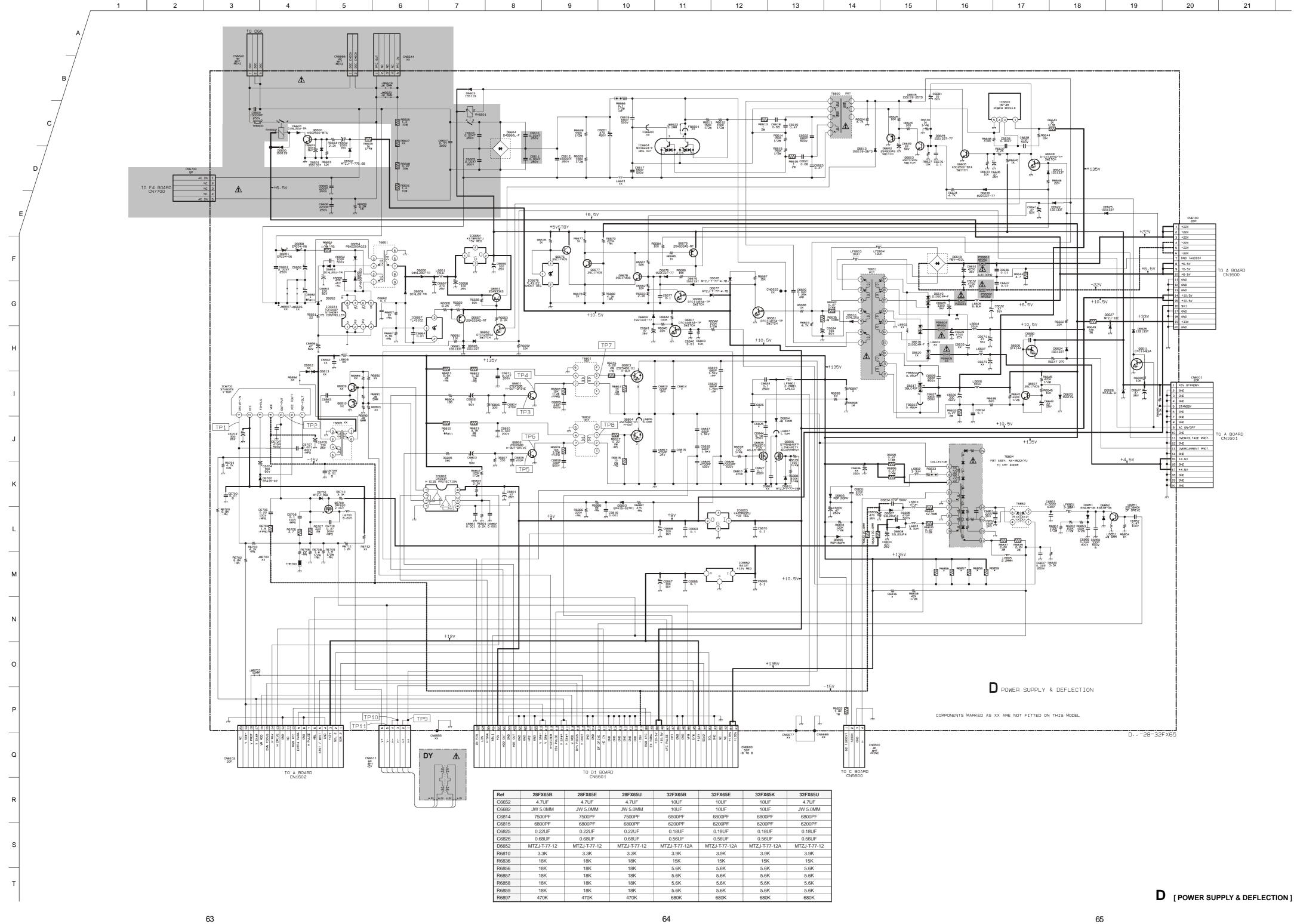
1.98 Vp-p (V)

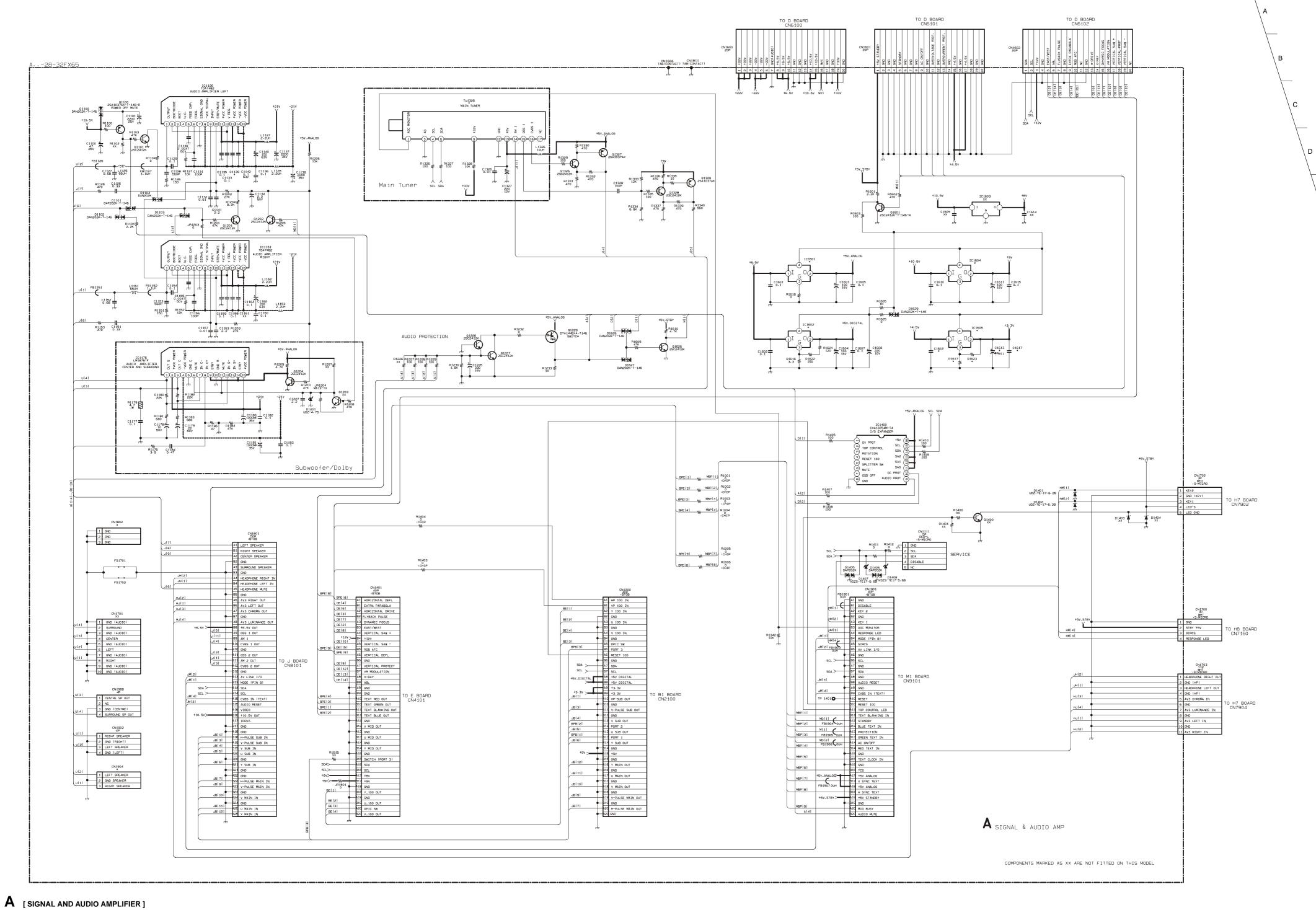
Ref	(e)	(b)	(c)	Ref	(e)	(b)	(c)
Q6676	1.8	2.5	5	Q6603	0	0	11.8
Q6677	1.8	2.1	5	Q6605	0	0.7	0
Q6678	1.8	1.6	5	Q6608	0	0	3.5
Q6807	0	6.4	0	Q6681	0	11.4	0
Q6801	0	0.3	61	Q6607	0.3	0.5	5
Q6802	0	-0.4	73.7	Q6851	0	-1	84.6
Q6803	0	135.2	0	Ref	(s)	(g)	(d)
Q6804	0	0	135.6	Q6805	0	2	22
Q6602	9.1	11.8	0	Q6806	0	1.4	135.7

116 Vp-p (V)

D [PRINTED WIRING BOARD]







12 11 10

9 8 7 6

21

19

18 17 16 15 14 13

67

5 4 3 2

IC Voltage Table

IC	Voltage	Table
Ref No	Pin No	Voltage (V)
	1	0
	2	-11
	3	10
IC1126	6	-19
	9	0
	10	4.1
	12	-11
	1	0
	2	-11
IC1151	3	10
	6	-18
	9	0
	10	4.1
	12	-11
	1	0
	3	4.6
	5	4.6
104 400	6	4.0
IC1400	9	0
	10	0
	14	4.5
	15	4.5
	1	0
	3	3
	6	3
	7	0
IC1176	8	0
1011/6	9	0
	11	3
	12	0
	13	0
	14	0

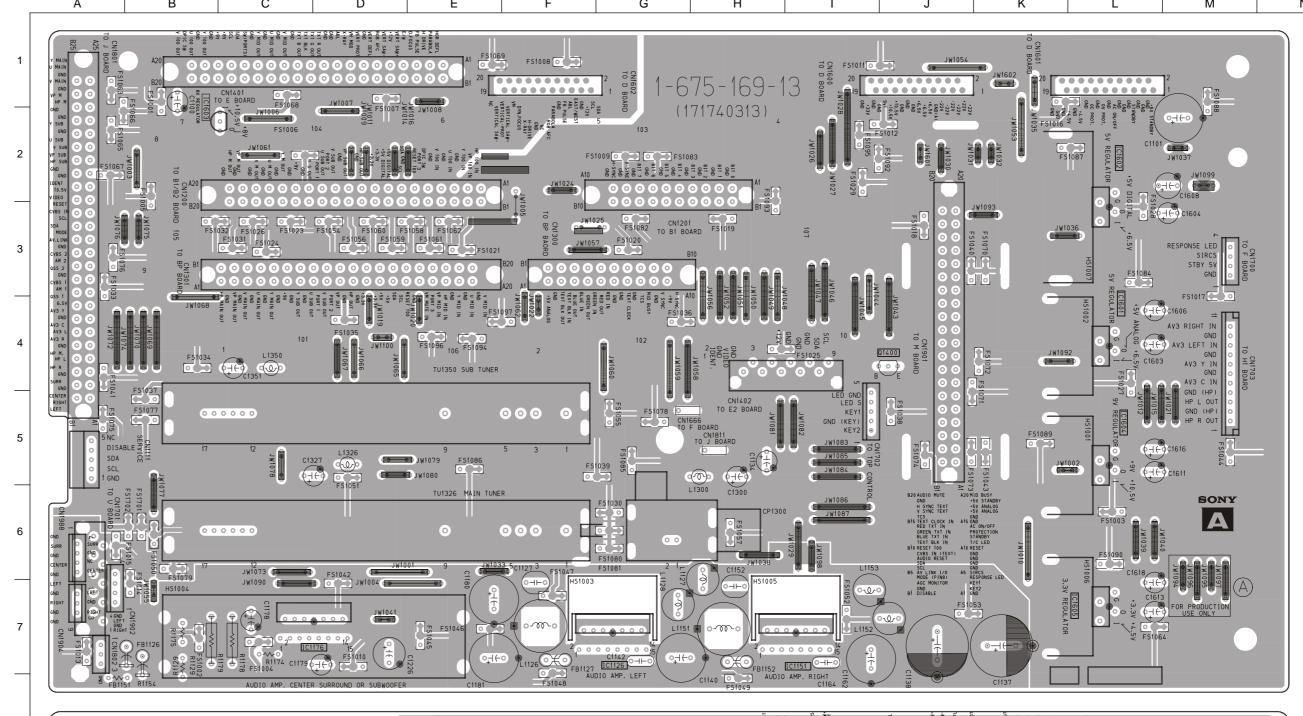
Semiconductor Location Table

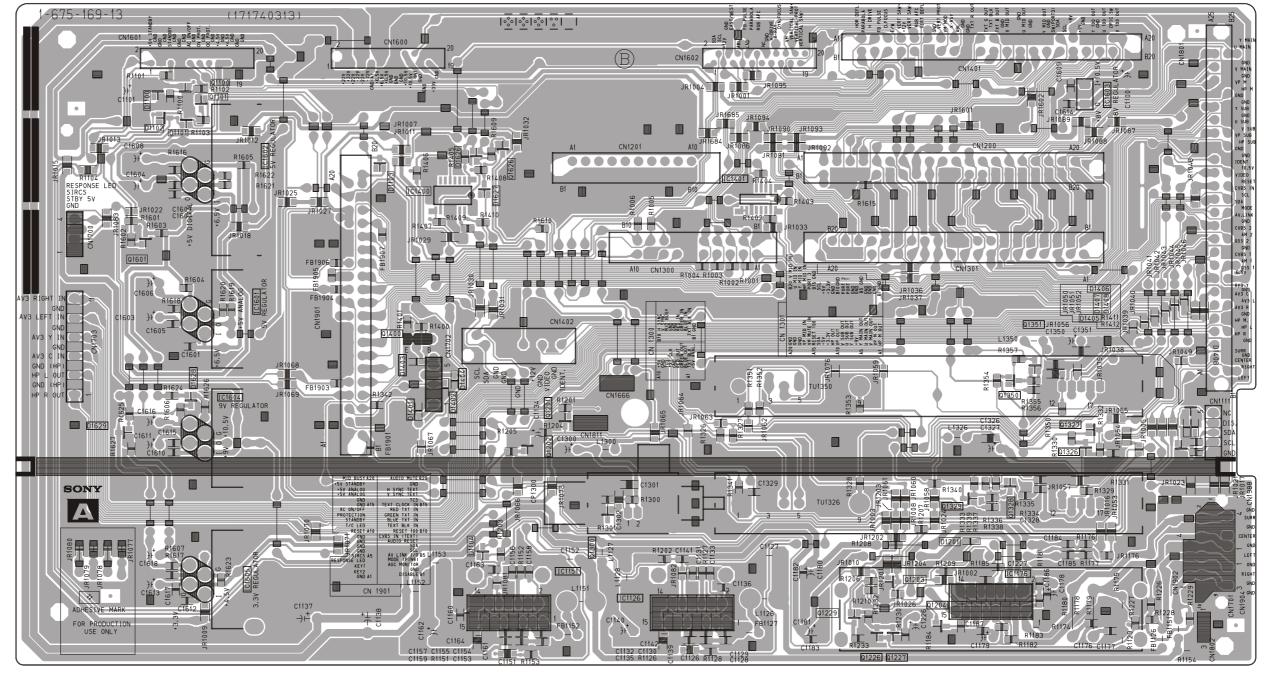
I	С	Q1403	L - 9
IC1126	G - 7	Q1404	L - 9
IC1151	I - 7	Q1405	M - 8
IC1176	K - 14	Q1406	M - 9
IC1400	E - 10	Q1601	B - 11
IC1601	L - 4	Q1602	C - 9
IC1604	L - 5	Q1626	F - 9
IC1605	L - 7	DIC	DDE
IC1630	I - 2	D1101	B - 9
IC1631	L - 2	D1101	B - 9
TRANS	SISTOR	D1102	B - 9
Q1100	B - 9	D1103	D - 10
Q1101	C - 9	D1104	E - 14
Q1201	F - 12	D1201	K - 13
Q1202	F - 12	D1401	E - 12
Q1204	F - 12	D1402	E - 12
Q1226	J - 15	D1405	L - 11
Q1227	J - 15	D1406	L - 11
Q1229	I - 14	D1407	L - 11
Q1300	G - 13	D1408	L - 11
Q1326	L - 12	D1601	C - 9
Q1327	L - 12	D1602	C - 9
Q1328	K - 13	D1626	B - 12
Q1329	K - 13	D1627	F - 10
Q1401	L - 9	D1630	H - 1
Q1402	L - 9	D1631	L - 3

Semiconductor Voltage Table

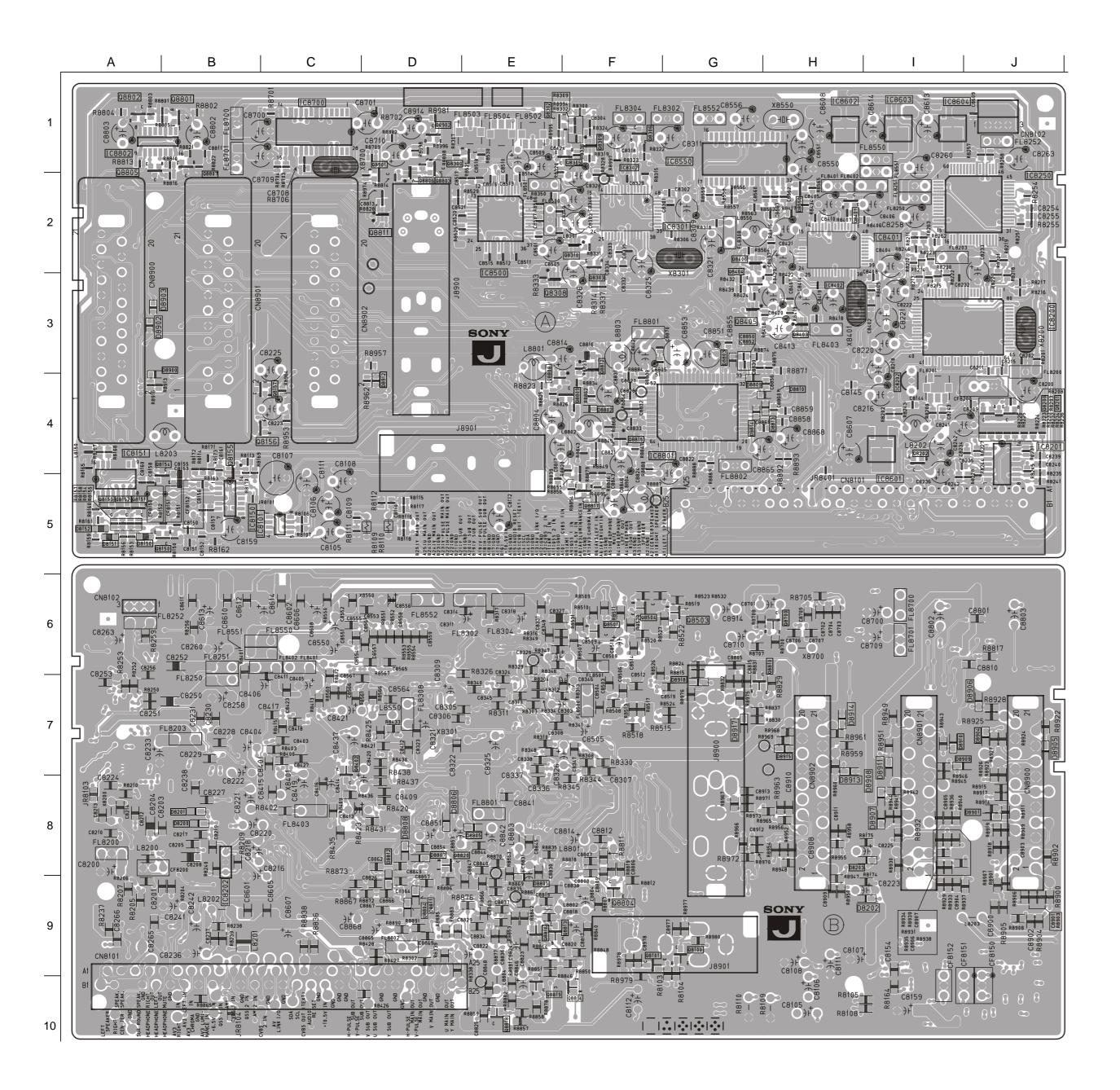
Ref	(e)	(b)	(c)	Ref	(e)	(b)	(c)
Q1100	10.5	10.6	0	Q1229	5	4.9	0
Q1101	0	0	2.2	Q1326	1.2	1.8	4.4
Q1201	0	0.6	0	Q1327	5	4.4	1.7
Q1202	0	0.1	2.1	Q1328	2.6	3.2	8.3
Q1300	0	4.6	0	Q1329	5	8.3	4.5
Q1226	0	0	4.9	Q1601	0	0	5
Q1227	0	0	4.9	Q1602	3.9	3.3	0

Ref	28FX65B	28FX65E	28FX65U	32FX65B	32FX65E	32FX65K	32FX65U
C1139	0.01UF	-	0.01UF	-	-	-	0.01UF
C1612	-	-		0.01UF	0.01UF	0.01UF	
C1613	-	-		100UF	100UF	100UF	
C1617	-	-		0.1UF	0.1UF	0.1UF	
CN1666	TAB	TAB	TAB	-	-	-	TAB
CN1802	3P	-	-	3P	3P	3P	-
CN1904	-	-	-	3P	3P	3P	-
IC1601	KA78R05-SYDTU	KA78R05-SYDTU	KA78R05-SYDTU	PQ05RF11	PQ05RF11	PQ05RF11	PQ05RF11
IC1602	KA278R05-YDTU	KA278R05-YDTU	KA278R05-YDTU	KA78R05-SYDTU	KA78R05-SYDTU	KA78R05-SYDTU	KA78R05-SYDTU
IC1604	KA78R09-YDTU	KA78R09-YDTU	KA78R09-YDTU	PQ09RF11	PQ09RF11	PQ09RF11	PQ09RF11
IC1605	-	-	KA78R33-YDTU	PQ05RF11	PQ05RF11	PQ05RF11	PQ05RF11
R1617	-	-		3.3	3.3	3.3	
R1623	-	-		220	220	220	
TU1326	TUNER/VIF (FR)	TUNER/VIF (AEP)	TUNER/VIF (UK)	TUNER/VIF (FR)	TUNER/VIF (AEP)	TUNER/VIF (AEP)	TUNER/VIF (UK)





70



Semiconductor Location Table

Semiconductor Voltage Table

R8553 R8841

SHORT 0

SHORT 0 SHORT 0

Q8152 0 4.6 0 Q8305 1.3 1.9 7.3

Q8156 3.9 4.6 9.0 Q8404 1.2 1.9 7.4

 Q8200
 1.9
 2.5
 5.0
 Q8817
 3.9
 4.6
 9.0

 Q8201
 1.2
 1.9
 5.0
 Q8901
 1.9
 2.5
 9.0

 Q8202
 5.1
 5.8
 9.0
 Ref
 (s)
 (g)
 (d)

 Q8300
 1.6
 1.0
 0
 Q8815
 1.8
 0
 0.6

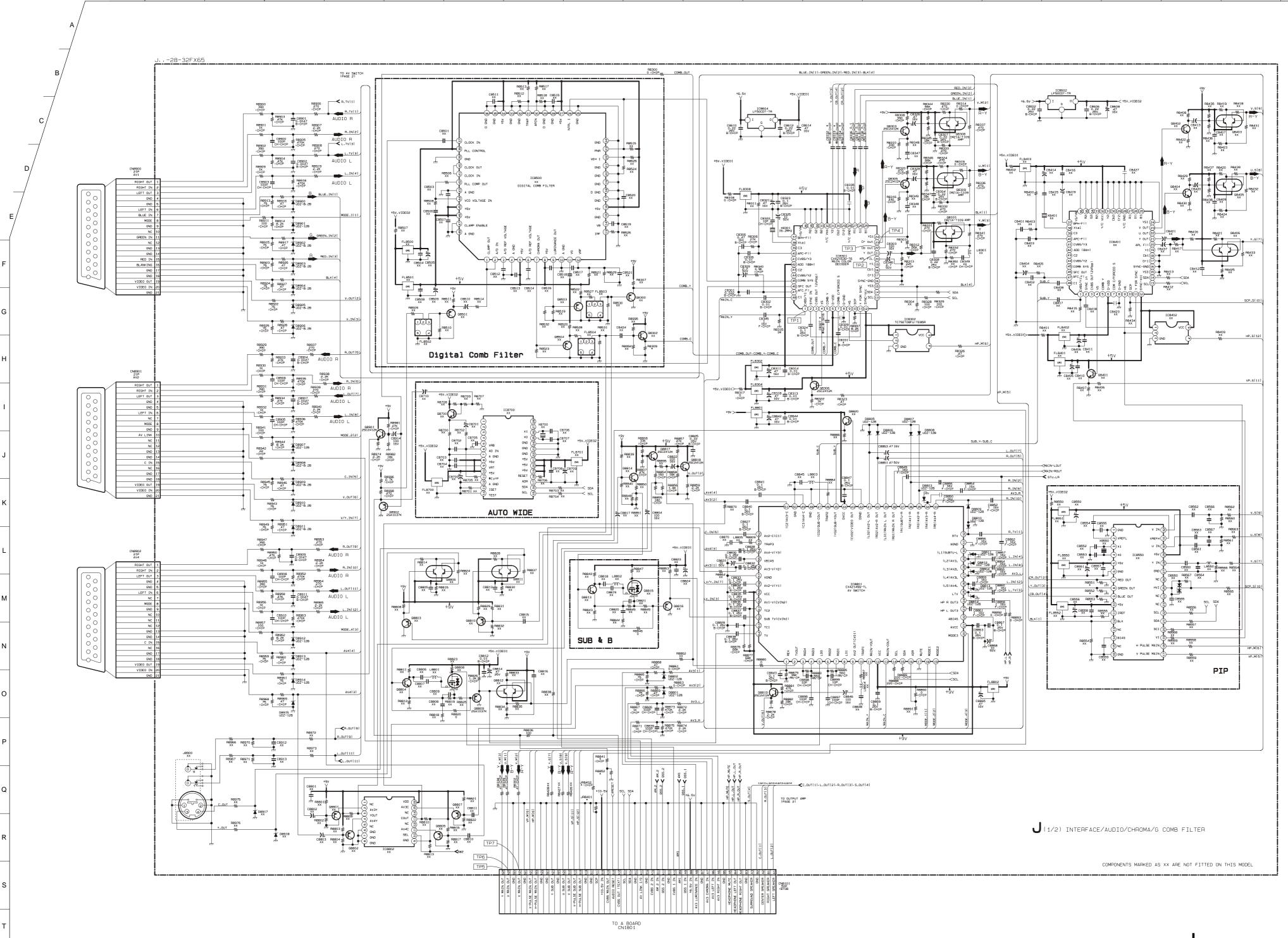
I	С	Q8150	A - 5	Q8405	G - 3	D8810	G - 4
IC8101	B - 5	Q8151	A - 5	Q8406	G - 2	D8811	D - 9
IC8150	B- 5	Q8152	A - 5	Q8501	F-6	D8812	D - 8
IC8151	A - 4	Q8153	A - 5	Q8901	D - 1	D8813	G - 4
IC8200	J - 3	Q8154	A - 4	DIC	ODE	D8814	G - 4
IC8201	J - 4	Q8156	B - 4	D8150	A - 5	D8900	A - 3
IC8202	I - 3	Q8157	C - 4	D8151	A - 5	D8901	J - 8
IC8301	F - 2	Q8200	J - 3	D8152	A - 5	D8902	A - 3
IC8302	F - 1	Q8201	J - 4	D8153	I - 4	D8903	A - 3
IC8401	I - 2	Q8202	I - 4	D8200	B - 8	D8904	J - 7
IC8402	H - 2	Q8300	D - 1	D8201	B - 8	D8905	J - 7
IC8500	E - 2	Q8302	E - 1	D8202	H - 9	D8906	I - 7
IC8550	G - 1	Q8303	F - 2	D8203	H - 8	D8907	I - 8
IC8601	I - 4	Q8305	E - 1	D8801	E - 8	D8908	I - 8
IC8602	H - 1	Q8306	F - 1	D8802	F - 4	D8909	I - 7
IC8603	I - 1	Q8308	E - 3	D8803	G - 3	D8910	I - 7
IC8604	I - 1	Q8309	F - 1	D8804	D - 9	D8911	I - 7
IC8700	C - 1	Q8310	E - 2	D8805	D - 8	D8912	D - 3
IC8801	F - 4	Q8401	H - 2	D8806	D - 8	D8913	H - 7
TRANS	SISTOR	Q8402	C - 7	D8807	D - 8	D8914	H - 7
Q8100	G - 9	Q8403	H - 3	D8808	D - 8	D8915	H - 7
Q8101	F - 9	Q8404	G - 2	D8809	G - 3		

IC Voltage Table

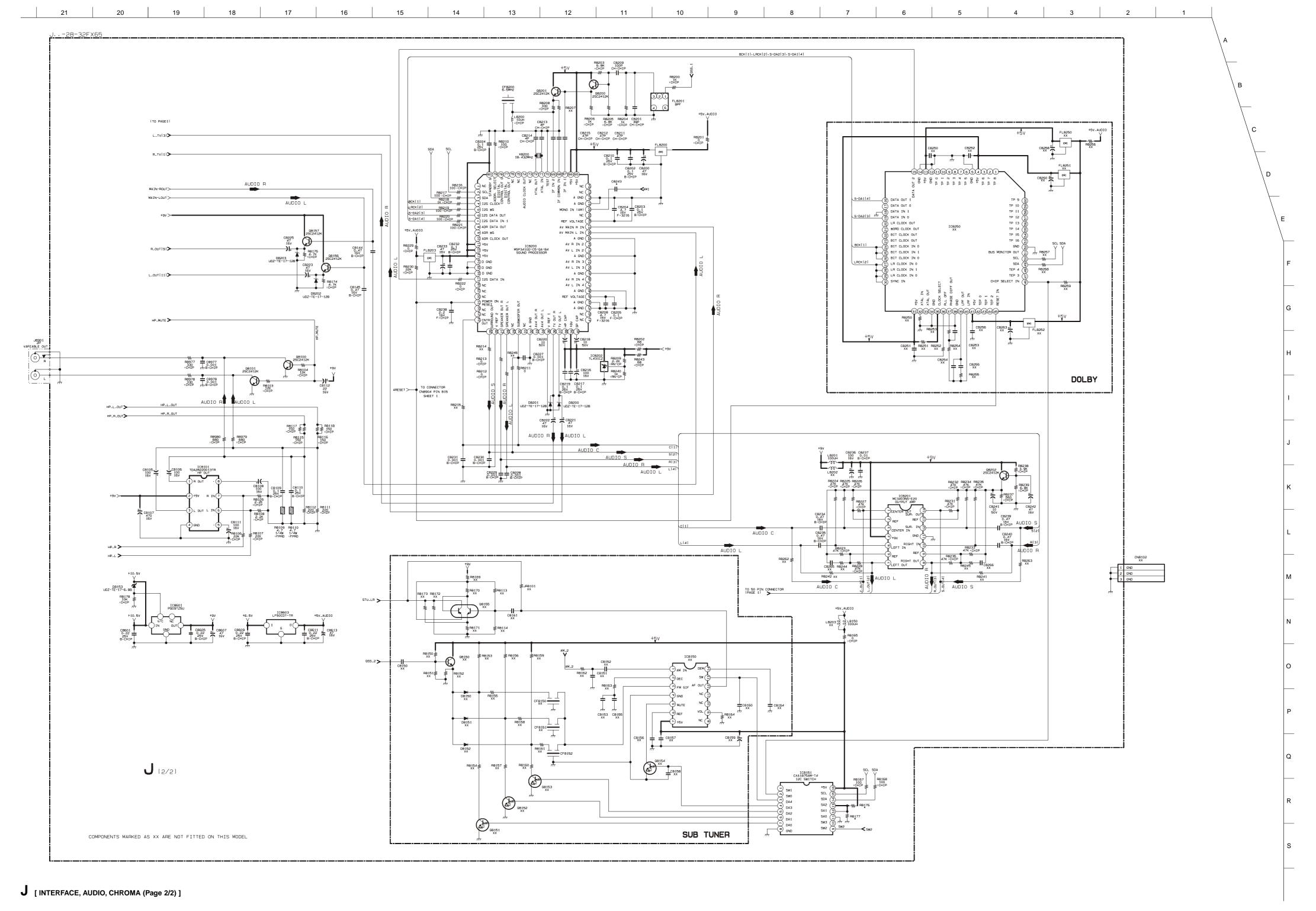
		IC Volta	age Table			
Ref No	Pin No	Voltage (V)	Ref No	Pin No	Voltage (V)	
	2-3	4.7		1-2	1.5	
	4-6	2.5		3	0.5	
	7	0.6		6	2.6	
	17	0.7		7	0.9	
	21	5.0		9	1.0	
	36	3.8		11	2.8	
	37	3.7		12-13	1.8	
	38	7.0	IC8500	14	1.0	
IC8200	40	7.0		22-23	5.0	
	45	3.7		26	5.0	
	56-57	3.8		30	5.0	
	58	2.6		37	2.4	
	60			40-42		
					1.9	
	67			44	1.9	
	68-69			1	4.2	
	71	2.4	IC8101	3	4.1	
	72	3.8 0.4 1.5 2.4 2.2 5.0 5.0 5.0 2.4 1.9		5	0.6	
	1-3	5.0		8	0.5	
IC8201	5-10	5.0		1	1.8	
	12-14	5.0		2-4	4.5	
	1	2.4		5	0	
	2	1.9		6-7	4.6	
	3	1.5		8	0	
	4	0.1		9	4.6	
	5	2.4		10	3.4	
	7	2.6		11	3.8	
	9	0.3	IC8801	13	4.5	
	10	0.8		22-30	4.5	
IC8301	11	2.5		32-41	4.5	
	13-14	4.5		43	4.6	
	20	2.4		45	3.7	
	21	1.8		46	3.5	
	22-23	1.9		47	4.5	
	24 25-27	0.1		49	4.5 4.5	
	25-27	2.5		51-80 2	2.4	
	37	1.1		3	4.6	
	38	4.0		4	4.6	
	1	2.3		5	0.4	
	2	1.9	IC8151	6	4.6	
	4	0.1		7	0.4	
	9	0.3		9	0	
	10	4.0		10	2.6	
	11	2.4		1	3.0	
100404	20	2.4		2	2.5	
IC8401	21	1.7		3	1.7	
	22-23	1.9	IC8150	6	4.3	
	37	1.1		12	2.4	
	38	4.0		13	4.6	
	40	3.3		14	2.5	
	47	3.8				
	48	1.8				

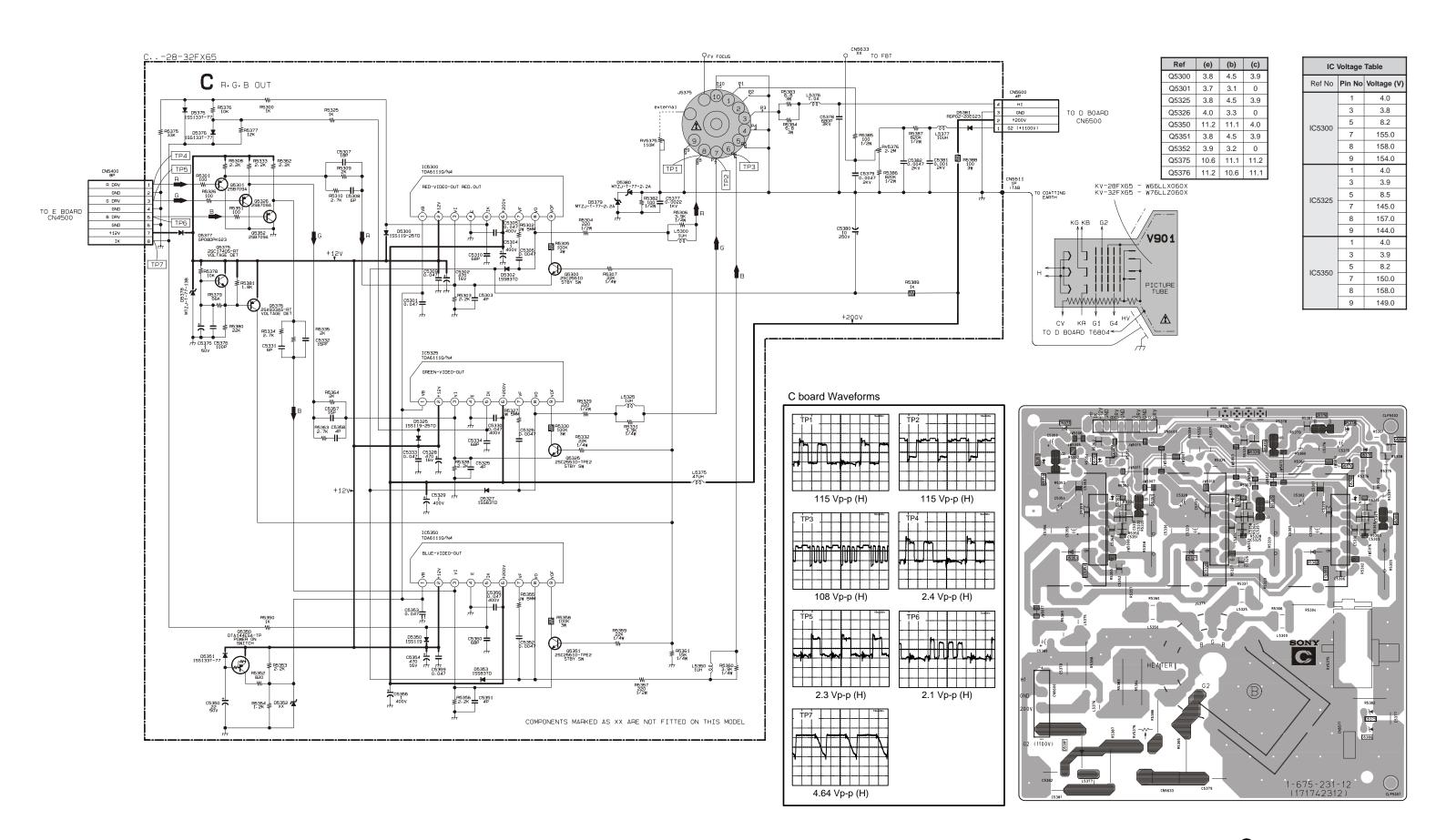
32FX65U 28FX65B 28FX65E 28FX65U 32FX65B 32FX65E 32FX65K C8243 0.33UF 0.33UF 0.33UF 0.33UF C8327 1UF 1UF C8331 0.01UF 0.01UF 0.01UF 0.01UF C8333 0.01UF 0.01UF 0.01UF 100 0.01UF 0.01UF C8334 0.01UF 0.01UF 0.01UF JR8401 JR8402 R8176 R8177 SHORT 0 R8303 SHORT 0 SHORT 0 SHORT 0 R8309 SHORT 0 SHORT 0 SHORT 0 R8551 R8552 SHORT 0 SHORT 0 SHORT 0 SHORT 0 SHORT 0 SHORT 0

SHORT 0

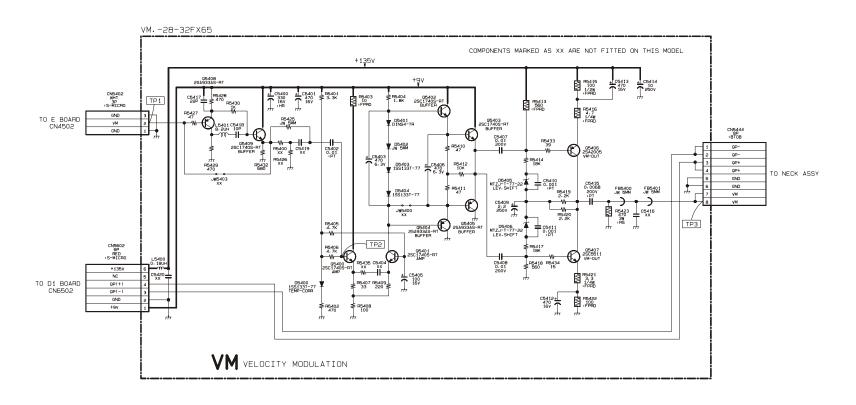


7 8 9 10 11 12 13 14 15 16 17 18 19 20 21

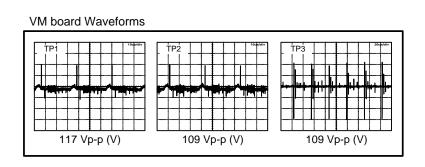


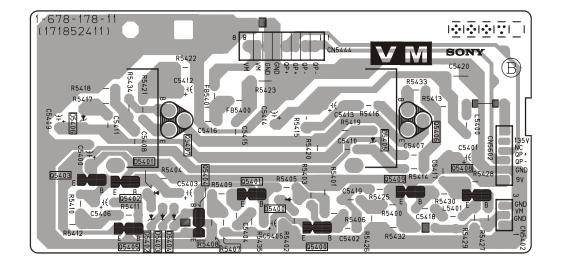


C [PRINTED WIRING BOARD]



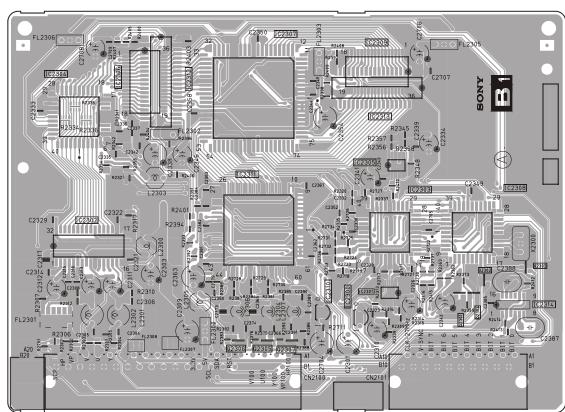
Ref	(e)	(b)	(c)
Q5400	0.9	1.5	9.0
Q5401	1.0	1.6	5.2
Q5402	6.0	6.6	9.0
Q5403	5.9	6.0	9.0
Q5404	5.2	5.9	0
Q5405	5.9	5.8	0
Q5406	135.1	134.6	68.2
Q5407	0.8	1.4	68.2
Q5408	7.6	6.9	1.4
Q5409	6.9	7.5	9.0



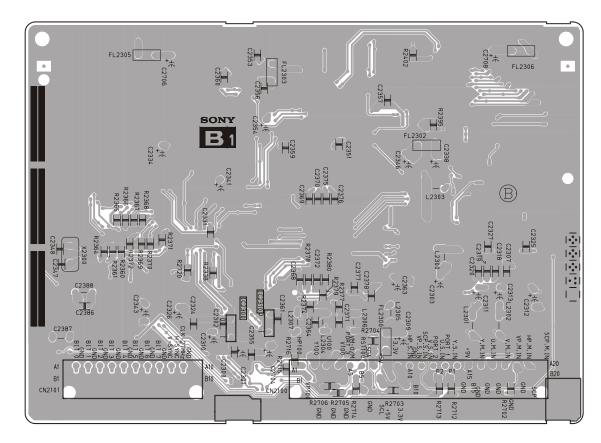


83

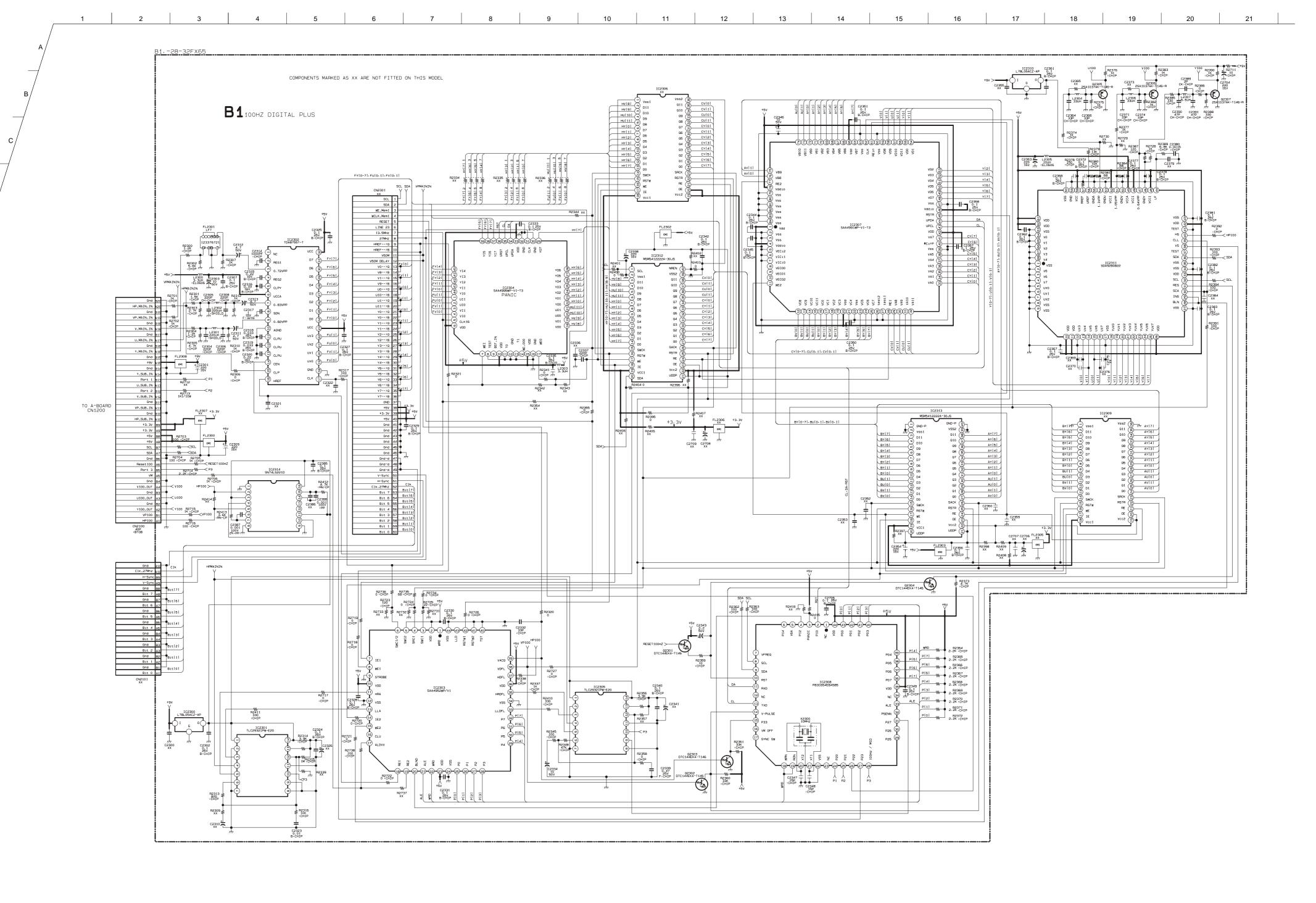
VM [PRINTED WIRING BOARD]



B1[PRINTED WIRING BOARD [A] SIDE]

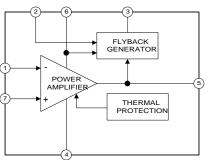


B1 [PRINTED WIRING BOARD [B] SIDE]

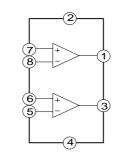


5-5. IC BLOCK DIAGRAMS

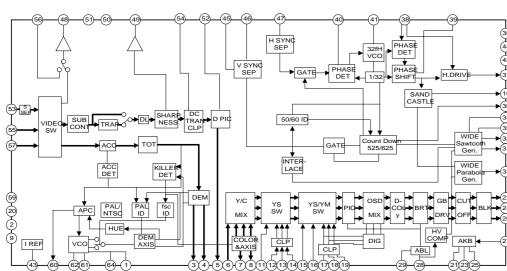
D BOARD IC6700 STV 9379

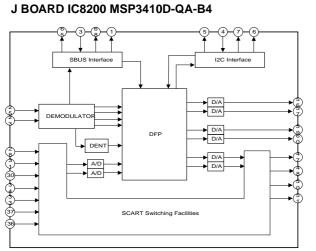


J BOARD IC8101 TDA2822D

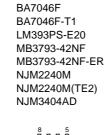


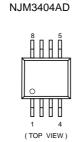
E BOARD IC4301 CXA2100Q-TL





5-4 SEMICONDUCTORS





CXA1855Q-T6

CXA1875AM-T4 HE4094BT MC14052BDR2 MC74F157ADR2 SN74LS221D 74HCT4046AD/S470

16 A A A A A A A

(TOP VIEW)

CXD2053S

TDA4780/V3

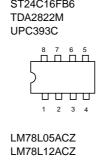
(TOP VIEW)



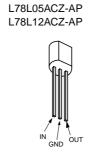
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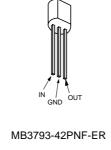
KA78R09TU

KA78R33TU



1 : V IN 2 : V OUT 3 : GND 4 : ON/OFF CONTROL

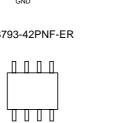


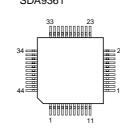


MB88141PF-ER

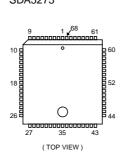
(TOP VIEW)

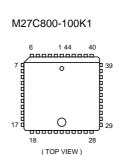
24 13

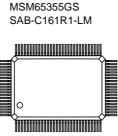


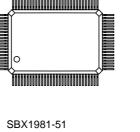


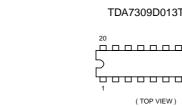
MSP3410D-QA-B4 SAA7185WP SDA5273P-C134-GEG SDA5275

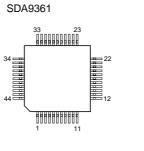




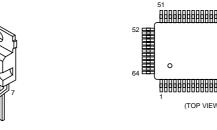




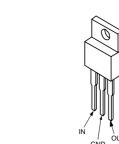




STV9379



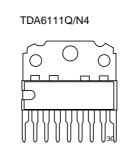


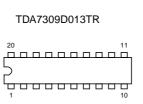


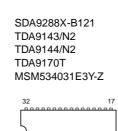


TC4S69F

C 5

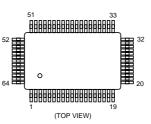




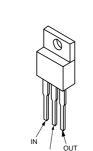


(TOP VIEW)

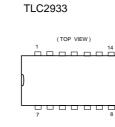
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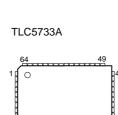


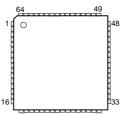
TEA6422DT















DTA144ESA

U2860B-BFPG3

<u> HHHHHH</u>

(TOP VIEW)

74LVC08D

BC546B

BC556B

IMZ1A-T109

IRF614

IRF620



2SA1837

2SC2500-B

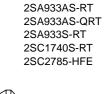
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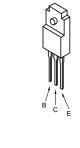
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2SC3997CA

2SC3840K

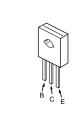
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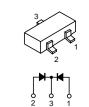


2SC4793

2SD2396H



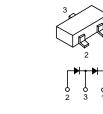
DAN202K DAN202K-T-146

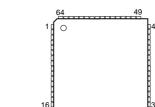


DAP202K-T-146



DA204K DA204K-T-146

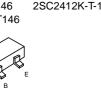








DTA144EK DTC144EK DTA144EK-T146 DTC144EK-T146 DTC114EK 2SA1037K-T-146-R DTC114YKA-T146 2SA1162-G DTC123EK 2SC2412K-QR DTC123EK-T146 2SC2412K-T-146-R DTC124EKA-T146

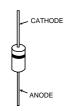


D1NL20-TA D1NL20U-TR D1NS4-TR EGP20G EL1Z GP08D

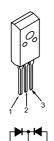
GP08DPKG23

RGP02-20EG23 RGP10GPKG23 RGP15GPKG23 S2LA20F 1SS133T-77 1SS83 1SS83TD

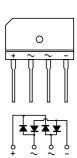
R2K-V1



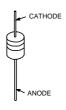
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D4SB60L D4SB60L-F RBA-402L



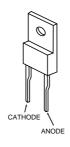
MTZJ-T-77-7.5B ERA15 ERA38-06TP1 MTZJ-T-77-9.1 ERA82-004TP1 MTZJ-T-77-12 MTZJ-T-77-22 GP08DPKG23 MTZJ-T-77-13B MTZJ-T-77-18B MTZJ-33C MTZJ-T-77-15 MTZJ-T-77-2.2A RD5.6ESB2 MTZJ-T-77-3-3B RD9.1ESB2 MTZJ-T-77-3.6A PGKE200AG23 MTZJ-T-77-4.7B 1SS119-25 MTZJ-T-77-5.6B 1SS119-25TD MTZJ-T-77-6.8



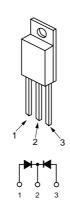
ERC04-06SE



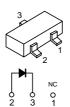
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ESAC39M-06C ESAC39M-06CF38



MA3033-L MA3033L-TX MA3056M-TX MA3062M-TX MA3030-H-(TX)



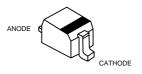
MA3051L-TX



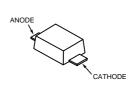
MA73-TX



1SS355TE-17 RD12SB2 UDZ-TE-17-3.9B UDZ-TE-17-4.7B UDZS-TE-17-5.6B UDZ-TE-17-6.2B UDZ-TE-17-6.8B UDZ-TE-17-8.2B UDZ-TE-12B



UF4005PKG23



SECTION 6 EXPLODED VIEWS

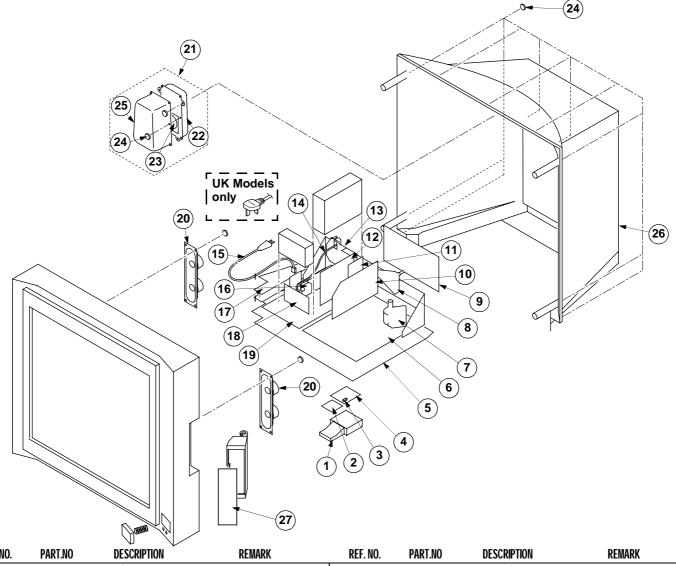
NOTE:

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remarks column.

Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items. Note: Les composants indentifies par une trame et par une marque △ sonte d'une importance critique pour la securite. Ne les remplacer que par des pieces du numero specifie.

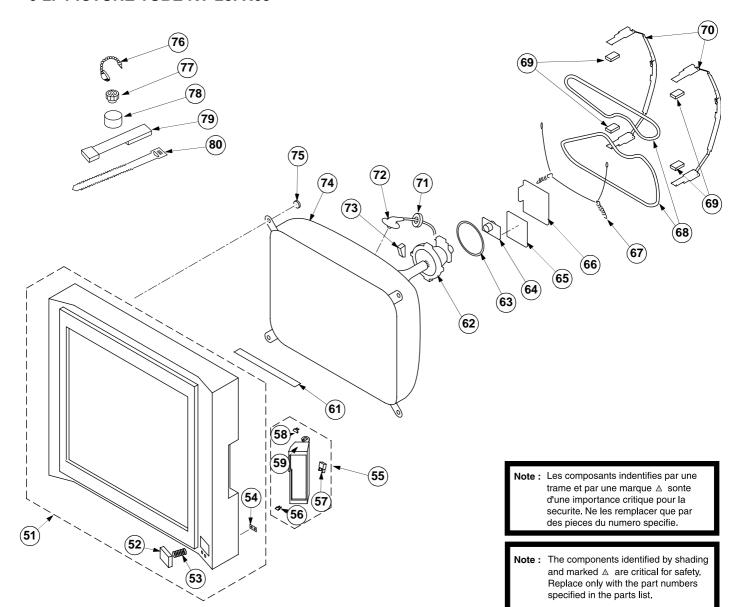
Note: The components identified by shading and marked △ are critical for safety. Replace only with the part numbers specified in the parts list.

6-1. CHASSIS KV-28FX65

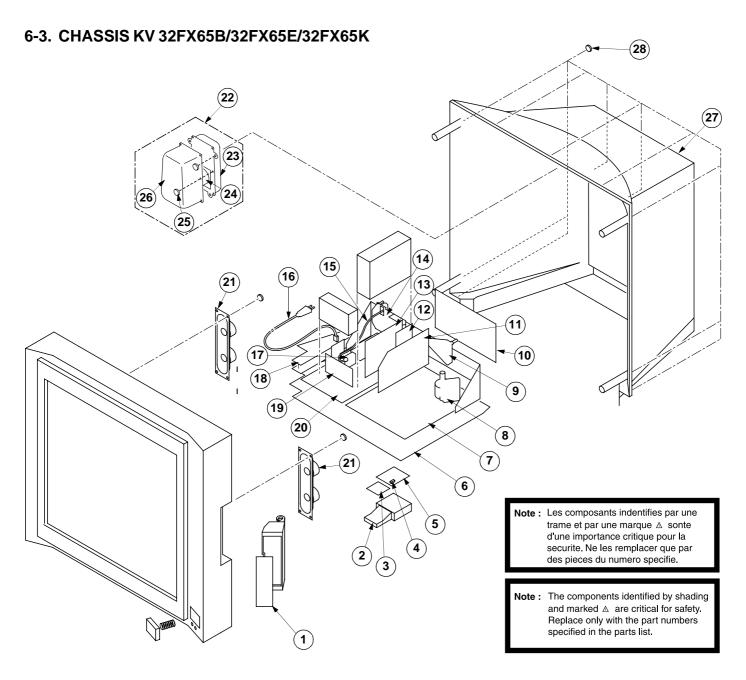


REF. NO.		PART.NO	DESCRIPTION REMARK	REF. NO.	PART.NO	DESCRIPTION REMARK	
1		*4-205-697-01	H/F BRACKET	16	1-693-340-11	TUNER/VIF(FR) (KV-28FX65B)	
2		*A-1646-229-A	H8 BOARD, COMPLETE		1-693-338-11	TUNER/VIF(AEP) (KV-28FX65E)	
3	Δ	1-571-433-21	SWITCH, PUSH (AC POWER)		1-693-339-11	TUNER/VIF(UK) (KV-28FX65U)	
4		*A-1624-091-A	F4 BOARD, COMPLETE	17	*A-1624-086-A	F1 BOARD, COMPLETE	
5		*4-205-196-22	MAIN BRACKET	18	*A-1634-060-A	M1 BOARD, COMPLETE	
6		*A-1640-328-A	D BOARD, COMPLETE	19	*A-1631-128-A	A BOARD, COMPLETE (KV-28FX65B)	
7	Δ	1-453-340-21	TRANSFORMER ASSY, FLYBACK (NX4522//U214)	*A-1631-126-A	A BOARD, COMPLETE (KV-28FX65E)	
8		*4-204-476-04	BRACKET, J1		*A-1631-127-A	A BOARD, COMPLETE (KV-28FX65U)	
9		*A-1651-142-A	J BOARD, COMPLETE	20	1-529-899-11	SPEAKER (24X4.2CM)	
10		*A-1640-382-A	D1 BOARD, COMPLETE	21	*A-1678-192-A	WOOFER ASSY (SP) 22-25	
11		*A-1640-383-A	E BOARD, COMPLETE	22	*4-204-775-21	BAFFLE, WOOFER	
12		*A-1620-112-A	B1 BOARD, COMPLETE	23	1-529-417-11	SPEAKER (8CM)	
13		*4-204-477-04	BRACKET, J2	24	4-039-358-01	SCREW +BVTP 4X16 TYPE 2 IT-3	
14		1-790-082-11	CABLE, RF	25	*4-204-776-21	BOX, WOOFER	
15	Δ	1-792-389-11	CORD, POWER (KV-28FX65B/28FX65E)	26	4-205-700-01	REAR COVER	
	Δ	1-792-592-11	CORD, PLUG WITH POWER (KV-28FX65U)	27	*A-1646-220-A	H7 BOARD COMPLETE	

6-2. PICTURE TUBE KV-28FX65

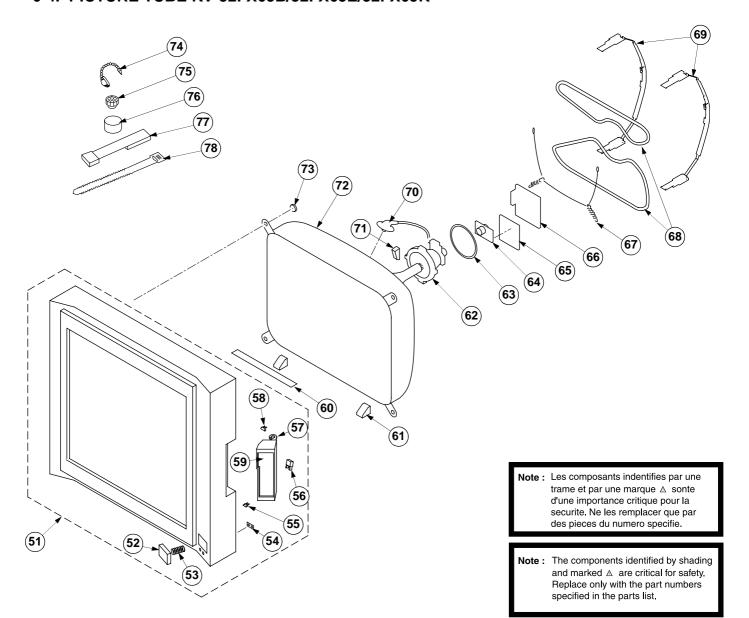


REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
51	X-4200-630-1	BEZNET ASSY	52-54	67	4-200-433-01	SPRING, EXTENSION	
52	4-205-699-01	POWER BUTTON		68 △	1-416-466-11	COIL, DEMAGNETIC	
53	4-202-964-11	SPRING		69	*4-203-390-51	CUSHION, DGC	
54	4-205-698-01	GUIDE, LIGHT		70	*4-057-303-01	HOLDER, DGC	
55	A-1610-075-A	DOOR ASSY	56-59	71	4-202-554-01	HOLDER, HV CABLE	
56	3-022-410-01	DAMPER		72	1-251-317-63	CAP ASSY, HIGH-VOLTAGE	
57	4-047-464-01	CATCHER, PUSH		73	4-203-658-01	SPACER, DY	
58	4-205-743-01	SPRING, TORSION		74	8-737-786-05	PICTURE TUBE (W66LLX060X)
59	4-205-695-01	DOOR BRACKET		75	4-036-188-01	SCREW, TAPPING	
61	4-203-128-41	SHEET, BLOTTING		76	4-308-870-00	CLIP, LEAD WIRE	
62 △	1-451-481-11	DEFLECTION YOKE	(Y28RVC2)	77	1-452-094-00	MAGNET, ROTATABLE DISK;	15MM
63	1-419-363-11	COIL, NA ROTATIO	N	78	1-452-032-00	MAGNET, DISK; 10MM	
64 △	8-453-011-11	NECK ASSY, (NA29	9-M)	79	X-4387-214-1	PERMALLOY ASSY, CORRECTI	ON
65	*A-1644-108-A	VM BOARD, COMPLE	TE	80	3-701-007-00	BAND, BINDING	
66	*A-1638-139-A	C BOARD, COMPLET	E				

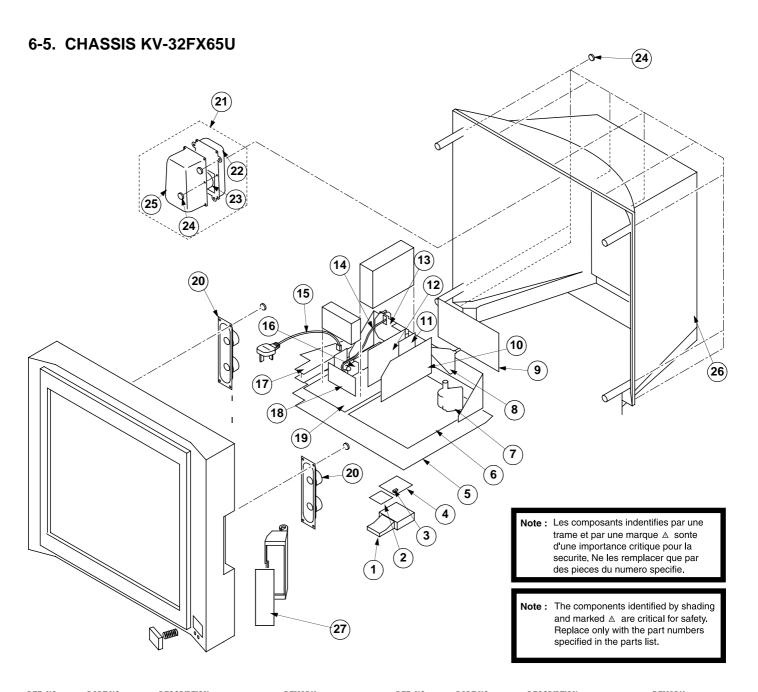


REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
1	*A-1646-218-A	H7 BOARD, COMPLETE		16	△ 1-792-389-11	CORD, POWER	
2	*4-205-724-01	F4, H7 BRACKET		17	1-693-340-11	TUNER/VIF(FR)	(KV-32FX65B)
3	*A-1646-217-A	H8 BOARD, COMPLETE			1-693-338-11	TUNER/VIF (AEP)	(KV-32FX65E/32FX65K)
4 🛕	1-571-433-21	SWITCH, PUSH (AC POWER)		18	*A-1624-086-A	F1 BOARD, COMP	LETE
5	*A-1624-089-A	F4 BOARD, COMPLETE		19	*A-1634-057-A	M1 BOARD, COMP	LETE
6	*4-205-196-02	MAIN BRACKET		20	*A-1632-916-A	A BOARD, COMPL	ETE (KV-32FX65B)
7	*A-1640-399-A	D BOARD, COMPLETE			*A-1632-917-A	A BOARD, COMPL	ETE (KV-32FX65E/32FX65K)
8 🔝	1-453-340-21	TRANSFORMER ASSY, FLYBAC	K (NX4522//U214)	21	1-529-899-11	SPEAKER (24X4.	2CM)
9	*4-204-476-04	BRACKET, J1		22	*A-1678-191-A	WOOFER ASSY (S	P) 23-26
10	*A-1651-137-A	J BOARD, COMPLETE		23	*4-204-775-01	BAFFLE, WOOFER	
11	*A-1640-322-A	D1 BOARD, COMPLETE		24	1-529-417-11	SPEAKER (8CM)	
12	*A-1640-381-A	E BOARD, COMPLETE		25	7-685-663-71	SCREW +BVTP 4X	16 TYPE 2 IT-3
13	*A-1620-133-A	B1 BOARD, COMPLETE		26	*4-204-776-01	BOX, WOOFER	
14	*4-204-477-04	BRACKET, J2		27	4-205-540-01	REAR COVER	
15	1-790-082-11	CABLE, RF		28	7-685-663-79	SCREW +BVTP 4X	16 TYPE 2 IT-3

6-4. PICTURE TUBE KV-32FX65B/32FX65E/32FX65K

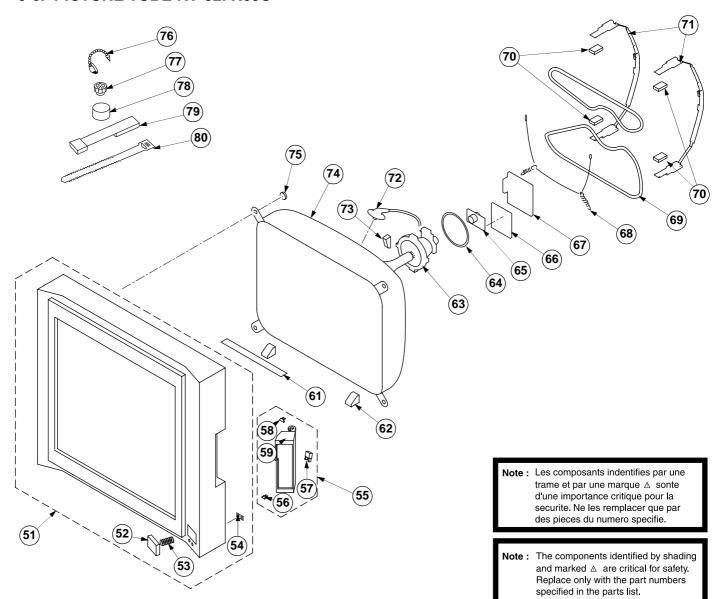


REF. NO.		PART.NO	DESCRIPTION	REMARK	REF. NO.		PART.NO	DESCRIPTION	REMARK
51		X-4200-640-1	BEZNET ASSY	52-59	65		*A-1644-108-A	VM BOARD, COMPLETE	
52		4-205-720-01	POWER BUTTON		66		*A-1638-139-A	C BOARD, COMPLETE	
53		4-204-426-01	SPRING		67		4-369-318-21	SPRING, TENSION	
54		4-205-726-01	GUIDE, LIGHT		68	Δ	1-416-769-11	COIL, DEMAGNETIC	
55		3-022-410-01	DAMPER		69		*4-204-768-01	HOLDER, DGC (29")	
56		4-047-464-01	CATCHER, PUSH		70	Δ	1-251-317-63	CAP ASSY, HIGH-VOLTAG	Œ
57		4-205-723-01	DOOR BRACKET		71		3-704-495-01	SPACER, DY	
58		4-205-725-01	DOOR SPRING		72	Δ	8-735-054-05	PICTURE TUBE (W76LLZ))60X)
59		4-205-722-01	DOOR		73		4-046-765-12	SCREW, TAPPING 7+CROW	N WASHER
60		4-204-058-31	SHEET, BLOTTING		74		4-308-870-00	CLIP, LEAD WIRE	
61		*4-203-098-01	SUPPORTER, CRT		75		1-452-094-00	MAGNET, ROTATABLE DIS	SK; 15MM
62	Δ	1-451-480-11	DEFLECTION YOKE	(Y32RVC2)	76		1-452-032-00	MAGNET, DISK; 10MM	
63		1-419-363-11	COIL, NA ROTATI	ON	77		X-4387-214-1	PERMALLOY ASSY, CORRE	CTION
64	Δ	8-453-011-11	NECK ASSY, (NA2	99-M)	78		3-701-007-00	BAND, BINDING	



REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
1	*4-205-697-01	H/F BRACKET		15 A	1-792-592-11	CORD, PLUG WITH POW	ER
2	*A-1646-229-A	H8 BOARD, COMPLETE		16	1-693-339-11	TUNER/VIF(UK)	
3 △	1-571-433-21	SWITCH, PUSH (AC POWER)		17	*A-1624-086-A	F1 BOARD, COMPLETE	
4	*A-1624-091-A	F4 BOARD, COMPLETE		18	*A-1634-060-A	M1 BOARD, COMPLETE	
5	*4-205-196-22	MAIN BRACKET		19	*A-1631-127-A	A BOARD, COMPLETE	
6	*A-1640-323-A	D BOARD, COMPLETE		20	1-529-899-11	SPEAKER (24X4.2CM)	
7 <u>A</u>	1-453-340-21	TRANSFORMER ASSY, FLYBACK	(NX4522//U214)	21	*A-1678-192-A	WOOFER ASSY (SP)	22-25
3	*4-204-476-04	BRACKET, J1		22	*4-204-775-21	BAFFLE, WOOFER	
)	*A-1651-142-A	J BOARD, COMPLETE		23	1-529-417-11	SPEAKER (8CM)	
LO	*A-1640-385-A	D1 BOARD, COMPLETE		24	4-039-358-01	SCREW (4X16), (+) B	V TAPPING
.1	*A-1640-384-A	E BOARD, COMPLETE		25	*4-204-776-21	BOX, WOOFER	
L2	*A-1620-112-A	B1 BOARD, COMPLETE		26	4-205-736-11	REAR COVER	
13	*4-204-477-04	BRACKET, J2		27	*A-1646-220-A	H7 BOARD, COMPLETE	
14	1-790-082-11	CABLE, RF					

6-6. PICTURE TUBE KV-32FX65U



REF. NO).	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
51		X-4200-641-2	BEZNET ASSY	52-54	67	*A-1638-139-A	C BOARD, COMPLETE	_
52		4-205-699-01	POWER BUTTON		68	4-200-433-01	SPRING, EXTENSION	
53		4-202-964-11	SPRING		69 △	1-416-769-11	COIL, DEMAGNETIC	
54		4-205-698-01	GUIDE, LIGHT		70	*4-203-390-41	CUSHION, DGC	
55		A-1610-075-A	DOOR ASSY	56-59	71	*4-059-569-01	HOLDER, DGC	
56		3-022-410-01	DAMPER		72	1-251-317-63	CAP ASSY, HIGH-VOLTAGE	
57		4-047-464-01	CATCHER, PUSH		73	4-203-658-01	SPACER, DY	
58		4-205-743-01	SPRING, TORSION		74	8-735-054-05	PICTURE TUBE (W76LLZ060)	X)
59		4-205-695-01	DOOR BRACKET		75	4-204-225-01	PT SCREW	
61		4-203-128-31	SHEET, BLOTTING		76	4-308-870-00	CLIP, LEAD WIRE	
62		*4-203-098-01	SUPPORTER, CRT		77	1-452-094-00	MAGNET, ROTATABLE DISK;	15MM
63	Δ	1-451-480-11	DEFLECTION YOKE	(Y32RVC2)	78	1-452-032-00	MAGNET, DISK; 10MM	
64		1-419-363-11	COIL, NA ROTATIO	ON	79	X-4387-214-1	PERMALLOY ASSY, CORRECT	ION
65	Δ	8-453-011-11	NECK ASSY, (NA2	99-M)	80	3-701-007-00	BAND, BINDING	
66		*A-1644-108-A	VM BOARD, COMPLI	ETE				

SECTION 7 ELECTRICAL PARTS LIST

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F1 BOARD COMPLETE Parts List		
F4 BOARD COMPLETE Parts List		_
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Note: Refer to the designated variant parts list when seeking a part indicated by an asterisk (*)

Parts indicated (#) on the Schematic Diagram are not used in this model and therefore do not appear in the Parts List.



REF. NO. PART.NO DESCRIPTION REMARK REF. NO. PART.NO DESCRIPTION REMARK

*A-1646-220-A	H7 Board, Complete
	(KV-28FX65/32FX65U)
*A-1646-218-A	H7 Board, Complete
	(KV-32FX65B/32FX65E/32

	(K	(V-32FX65E	3/32FX	65E	/32FX6	5K)
	< CAPACIT	OR >				
27900	1-101-810-00	CERAMIC	100PF		5.00%	500V
27901	1-101-810-00	CERAMIC	100PF		5.00%	500V
7903	1-535-143-61	LEAD, JUMPER	(5.0MM)			
	1-535-143-61	•				
	1-137-372-11	·			5.00%	50V
926	1-137-372-11	MYLAR	0.0220	F	5.00%	50V
	< CONNECT	OR >				
N7902	*1-564-518-11	PLUG, CONNEC	CTOR 3P			
7904	*1-564-526-11	PLUG, CONNEC	CTOR 11P	1		
	< SOCKET	>				
900	1-779-947-11	TERMINAL BLO	OCK, S			
925	1-785-448-11	JACK				
	< COIT >					
901	1-535-143-61	LEAD, JUMPER	R (5.0M	M)		
902	1-535-143-61	LEAD, JUMPER	R (5.0M	M)		
925	1-414-183-41	INDUCTOR	10UH			
26	1-414-183-41	INDUCTOR	10UH			
	< RESISTO	R >				
901	1-249-417-11	CARBON	1K	5%	1/4W	
902	1-247-895-91	CARBON	470K	5%	1/4W	
903	1-247-895-91	CARBON	470K	5%	1/4W	
905	1-249-417-11	CARBON	1K	5%	1/4W	
910	1-249-429-11	CARBON	10K	5%	1/4W	
911	1-249-425-11	CARBON	4.7K	5%	1/4W	
912	1-249-429-11	CARBON	10K	5%	1/4W	
913	1-249-421-11	CARBON	2.2K	5%	1/4W	
914	1-249-421-11	CARBON	2.2K	5%	1/4W	
15	1-249-425-11		4.7K			
	< SWITCH	>				
900	1-771-947-11	SWITCH, TACT	TILE			
	1-771-947-11					
902	1-771-947-11	SWITCH, TACT	TILE			

*A-1620-112-A	B1 Board, Complete
	(KV-28FX65/32FX65U)
*A-1620-133-A	B1 Board, Complete
	(KV-32FX65B/32FX65E/32FX65K)

	< CAPACIT	OR >			
20001	1 100 001 11			00 000	
C2301	1-126-934-11	ELECT	220UF	20.00%	
C2302	1-164-004-11	CERAMIC CHIP		10.00%	
C2303	1-126-964-11	ELECT	10UF	20.00%	
C2304	1-163-259-91	CERAMIC CHIP		5.00%	50V
C2305	1-163-259-91	CERAMIC CHIP	220PF	5.00%	50V
C2306	1-163-259-91	CERAMIC CHIP	220PF	5.00%	50V
C2307	1-164-004-11	CERAMIC CHIP	0.1UF	10.00%	25V
C2308	1-163-259-91	CERAMIC CHIP		5.00%	50V
C2309	1-126-934-11	ELECT	220UF	20.00%	16V
C2311	1-126-963-11	ELECT	4.7UF	20.00%	
01011	700				
C2312	1-126-963-11	ELECT	4.7UF	20.00%	50V
C2313	1-126-963-11	ELECT	4.7UF	20.00%	50V
C2314	1-163-275-11	CERAMIC CHIP	0.001UF	5.00%	50V
C2315	1-164-489-11	CERAMIC CHIP	0.22UF	10.00%	16V
C2316	1-110-501-11	CERAMIC CHIP	0.33UF	10.00%	16V
C2317	1-162-638-11	CERAMIC CHIP	1UF		16V
C2318	1-163-989-11	CERAMIC CHIP	0.033UF	10.00%	25V
C2319	1-163-989-11	CERAMIC CHIP	0.033UF	10.00%	25V
C2320	1-164-489-11	CERAMIC CHIP	0.22UF	10.00%	16V
C2323	1-163-021-91	CERAMIC CHIP	0.01UF	10.00%	50V
C2324	1-164-004-11	CERAMIC CHIP	0.1UF	10.00%	25V
C2325	1-164-004-11	CERAMIC CHIP	0.1UF	10.00%	25V
C2327	1-164-004-11	CERAMIC CHIP	0.1UF	10.00%	25V
C2328	1-164-004-11	CERAMIC CHIP	0.1UF	10.00%	25V
C2329	1-164-004-11	CERAMIC CHIP	0.1UF	10.00%	25V
C2330	1-164-004-11	CERAMIC CHIP	0 1HP	10.00%	2517
C2330	1-164-004-11			10.00%	
C2331		CERAMIC CHIP			
	1-163-239-11	CERAMIC CHIP		5.00%	50V
C2333	1-164-004-11	CERAMIC CHIP		10.00%	
C2334	1-126-964-11	ELECT	10UF	20.00%	507
C2335	1-164-004-11	CERAMIC CHIP	0.1UF	10.00%	25V
C2337	1-163-259-91	CERAMIC CHIP	220PF	5.00%	50V
C2338	1-126-934-11	ELECT	220UF	20.00%	16V
C2339	1-164-005-11	CERAMIC CHIP	0.47UF		25V
C2340	1-164-004-11	CERAMIC CHIP	0.1UF	10.00%	25V
C2342	1-164-004-11	CERAMIC CHIP		10.00%	
C2343	1-126-961-11	ELECT	2.2UF	20.00%	
C2344	1-164-004-11	CERAMIC CHIP		10.00%	
C2345	1-164-004-11	CERAMIC CHIP	0.1UF	10.00%	
C2346	1-126-964-11	ELECT	10UF	20.00%	50V
C2347	1-163-231-11	CERAMIC CHIP	15PF	5.00%	50V



REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
C2348	1-163-231-11	CERAMIC CHIP 15PF	5.00% 50V	IC2303	8-759-438-64	IC SAA4952WP/V1	
C2349	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	IC2304	8-759-546-02	IC SAA4995WP-V1-T3	
C2350	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	IC2305	8-759-669-75	IC TLC2932IPW-E20	
C2351	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	IC2307	8-759-546-04	IC SAA4991WP-V1-T3	
C2354	1-126-934-11	ELECT 220UF	20.00% 16V	IC2308	8-759-572-55	IC P83C654EBA/585	
C2356	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	IC2310	8-759-991-41	IC L78L05ACZ-AP	
C2357	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	IC2311	8-759-467-19	IC SDA9280B22	
C2358		CERAMIC CHIP 0.1UF	10.00% 25V	IC2312	8-759-576-71	IC MSM5412222A-30J	S-DR1
C2361	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	IC2313	8-759-576-71	IC MSM5412222A-30J	S-DR1
C2362	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	IC2314		IC SN74LS221D	
C2363	1-126-934-11	ELECT 220UF	20.00% 16V		< COIL >		
C2364		CERAMIC CHIP 33PF	5.00% 50V		, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
C2366		CERAMIC CHIP 33PF	5.00% 50V	L2300	1-408-597-21	INDUCTOR 3.3	TIH
C2367		CERAMIC CHIP 0.1UF	10.00% 25V	L2301	1-410-435-21		
C2368		CERAMIC CHIP 0.1UF	10.00% 25V	L2302	1-410-435-21		
02300	- 101 VV7 II	CAMBILO CHIL V. IOF	10.000 231	L2302	1-410-433-21		
C2371	1-163-239-11	CERAMIC CHIP 33PF	5.00% 50V	L2303	1-414-186-31		
C2371	1-163-239-11		10.00% 25V	12304	1-414-100-31	INDUCTOR 550	n
C2372	1-164-004-11		5.00% 50V	L2305	1-408-603-31	INDUCTOR 10U	u
	1-163-239-11			L2305	1-414-186-31		
C2377			10.00% 25V				
C2378	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	L2307	1-414-384-11	INDUCTOR 5.6	Uff
C2380	1-163-145-00	CERAMIC CHIP 0.0015UF	5.00% 50V		< TRANSIS	STOR >	
C2381	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V				
C2382	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	Q2301	1-801-806-11	TRANSISTOR DTC144E	KA-T146
C2383	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	Q2302	1-801-806-11	TRANSISTOR DTC144E	KA-T146
C2385	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	Q2303	1-801-806-11	TRANSISTOR DTC144E	KA-T146
				Q2304	1-801-806-11	TRANSISTOR DTC144E	KA-T146
C2387	1-136-250-11	FILM 0.001UF	2.00% 100V	Q2305	8-729-026-49		
C2388	1-136-479-11	FILM 0.001UF	1.00% 100V				
C2389	1-163-085-00		0.25PF 50V	Q2306	8-729-026-49	TRANSISTOR 2SA1037	AK-T146-R
C2390	1-163-243-11		5.00% 50V	02307	8-729-026-49		
C2391		CERAMIC CHIP 47PF	5.00% 50V	22001	0 /25 020 15		
V		<u> </u>	• • • • • • • • • • • • • • • • • • • •		< RESISTO	OR >	
C2704	1-126-934-11		20.00% 16V				
C2705	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	R2300	1-216-051-00		•
				R2301	1-216-053-00		
	< CONNECT	ror >		R2302	1-216-067-00		5% 1/10W
				R2303	1-216-059-00		
CN2100	1-695-301-11	CONNECTOR, BOARD TO BO	DARD 40P	R2304	1-216-051-00	RES-CHIP 1.2K	5% 1/10W
	< FILTER	>		R2305	1-216-065-91	RES-CHIP 4.7K	5% 1/10W
				R2306	1-216-295-11	SHORT 0	
FL2300	1-236-071-11	ENCAPSULATED COMPONENT	!	R2307	1-216-049-11	RES-CHIP 1K	5% 1/10W
FL2301	1-233-767-21	FILTER		R2310	1-216-049-11	RES-CHIP 1K	5% 1/10W
FL2302	1-236-071-11	ENCAPSULATED COMPONENT	!	R2312	1-216-049-11	RES-CHIP 1K	5% 1/10W
FL2303		ENCAPSULATED COMPONENT					·
FL2308	1-233-736-21			R2313	1-216-047-91	RES-CHIP 820	5% 1/10W
		,		R2314	1-216-063-91		
	< IC >			R2315	1-216-121-11		5% 1/10W
	. 20 /			R2316	1-216-073-00		5% 1/10W
IC2300	8-759-991-41	IC L78L05ACZ-AP		R2317	1-216-025-11		5% 1/10W
IC2301		IC TLC2932IPW-E20			11		-
IC2302		IC TDA8755T-T		R2320	1-216-295-11	SHORT 0	
						•	

The components identified by shading and marked ⚠ are critical for safety Replace only with the part number specified.





REF. NO.	PART.NO	DESCRIPTI	ON		REMARK	REF. NO.	PART.NO	DESCRIPTI	ON		REMARK
R2321	1-216-295-11	SHORT	0			R2403	1-216-295-11	SHORT	0		
R2337	1-216-049-11	RES-CHIP	1K	5%	1/10W	R2404	1-216-295-11	SHORT	0		
2338	1-216-295-11	SHORT	0			R2410	1-216-037-00	RES-CHIP	330	5%	1/10W
2341	1-216-295-11	SHORT	0			R2411	1-216-037-00	RES-CHIP	330	5%	1/10W
R2345	1-216-025-11	RES-CHIP	100	5%	1/10W	R2412	1-208-798-11	METAL CHIP		0.5%	1/10W
R2348	1-216-089-11	RES-CHIP	47K	5%	1/10W	R2413	1-216-664-11	METAL CHIP	3.6K	0.5%	1/10W
R2355	1-216-295-11	SHORT	0			R2415	1-216-295-11	SHORT	0		
R2356	1-216-063-91	RES-CHIP	3.9K	5%	1/10W	R2701	1-216-049-11	RES-CHIP	1K	5%	1/10W
R2358	1-216-295-11	SHORT	0			R2702	1-216-049-11	RES-CHIP	1K	5%	1/10W
R2359	1-216-001-00	RES-CHIP	10	5%	1/10W	R2703	1-216-025-11	RES-CHIP	100	5%	1/10W
R2360	1-216-085-00	RES-CHIP	33K	5%	1/10W	R2704	1-216-025-11	RES-CHIP	100	5%	1/10W
R2361	1-216-085-00	RES-CHIP	33K	5%	1/10W	R2705	1-216-049-11	RES-CHIP	1K	5%	1/10W
R2362	1-216-025-11	RES-CHIP	100	5%	1/10W	R2706	1-216-049-11	RES-CHIP	1K	5%	1/10W
R2363	1-216-025-11	RES-CHIP	100	5%	1/10W	R2711	1-216-001-00	RES-CHIP	10	5%	1/10W
R2364	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	R2713	1-216-049-11	RES-CHIP	1K	5%	1/10W
R2365	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	R2714	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R2366	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	R2715	1-216-049-11	RES-CHIP	1K	5%	1/10W
R2367	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	R2716	1-216-025-11	RES-CHIP	100	5%	1/10W
R2368	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	R2717	1-216-295-11	SHORT	0		
R2369	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	R2718	1-216-295-11	SHORT	0		
R2370	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	R2719	1-216-295-11	SHORT	0		
R2371	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	R2720	1-216-295-11	SHORT	0		
R2372	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	R2721	1-216-295-11	SHORT	0		
R2373	1-216-065-91	RES-CHIP	4.7K	5%	1/10W	R2722	1-216-295-11	SHORT	0		
R2374	1-216-049-11	RES-CHIP	1K	5%	1/10W	R2723	1-216-027-00	RES-CHIP	120	5%	1/10W
R2375	1-216-049-11	RES-CHIP	1K	5%	1/10W	R2724	1-216-295-11	SHORT	0		
R2376	1-216-049-11	RES-CHIP	1K	5%	1/10W	R2725	1-216-009-91	RES-CHIP	22	5%	1/10W
R2377	1-216-049-11	RES-CHIP	1K	5%	1/10W	R2726	1-216-295-11	SHORT	0		
R2378	1-216-029-00	RES-CHIP	150	5%	1/10W	R2727	1-216-295-11	SHORT	0		
R2379	1-216-076-00	RES-CHIP	13K	5%	1/10W	R2728	1-216-049-11	RES-CHIP	1K	5%	1/10W
R2380	1-216-073-00	RES-CHIP	10K	5%	1/10W	R2734	1-216-295-11	SHORT	0		
R2381	1-216-021-00	RES-CHIP	68	5%	1/10W	R2735	1-216-021-00	RES-CHIP	68	5%	1/10W
R2382	1-216-049-11	RES-CHIP	1K	5%	1/10W	R2736	1-216-295-11	SHORT	0		
R2383	1-216-049-11	RES-CHIP	1K	5%	1/10W	R2738	1-216-025-11	RES-CHIP	100	5%	1/10W
R2384	1-216-021-00	RES-CHIP	68	5%	1/10W		< CRYSTAI	. •			
R2385	1-216-037-00	RES-CHIP	330	5%	1/10W		< CRISIAL	. /			
R2386	1-216-295-11		0			X2300	1-579-175-11	VIBRATOR, C	ERAMIC		
R2387	1-216-027-00	RES-CHIP	120	5%	1/10W						
R2388	1-216-037-00	RES-CHIP	330	5%	1/10W	*A-162	24-086-A F	1 Board, C	omple	te	
R2389	1-216-069-00	RES-CHIP	6.8K	5%	1/10W			,			
R2390	1-216-049-11	RES-CHIP	1K	5%	1/10W		*4-374-846-01	COVER, CAPA	CITOR, C	CAP TYP	PE
R2391	1-216-025-11	RES-CHIP	100	5%	1/10W		< CAPACIT	ior >			
R2392	1-216-295-11	SHORT	0				CAPACII	.VI. /			
R2393	1-216-025-11	RES-CHIP	100	5%	1/10W	C7626 /	1-136-527-12	FTT,M	0.47UE	7	20.00% 300V
R2394	1-216-025-11	RES-CHIP	100	5%	1/10W	C/020 Z	1 130-327-12	LIIII	0.4701		20.000 JUUV
R2395	1-216-295-11	CHODM	٨								
R2333	1-210-293-11	SHORT	0								



The components identified by shading and marked ⚠ are critical for safety Replace only with the part number specified.

COMBILITY COMBINED CONTROL	REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTIO	N	RE	MARK
CIT/02 1-455-915-11 TAB (CONTACT) CIT/02 1-125-933-11 ERECT 2000F 20.00 297		< CONNEC	TOR >			< CAPACIT	'OR >			
CIT/02 1-455-915-11 TAB (CONTACT) CIT/02 1-125-933-11 ERECT 2000F 20.00 297	CN7611	↑ *1-580-843-11	PIN. CONNECTOR	(POWER)	C1100	1-104-664-11	ELECT	47UF	20.00%	25V
CTRESS 1-65-915-11 TRASCRETCR FOREX CTRESS 1-163-135-10 CTREMEC CRIP 0.1997 0.001 697 CTRESS 1-65-915-11 TRASCRETCR FOREX CTRESS 1-163-135-10 CTREMEC CRIP 0.007 0.001 507 CTRESS 1-163-135-10 CTREMEC CRIP 0.007 0.001 507 CTRESS 0.1-537-23-11 CTREMEC CRIP 0.007 0.001 507 CTRESS 0.001 0			,	(-	C1101	1-126-943-11	ELECT	2200UF	20.00%	25V
C17655 1-695-915-11 TAB (CMENCT)	CN7633		•	(POWER)	C1126	1-162-568-11	CERAMIC CHIP	0.33UF	10.00%	16V
Times			·	,	C1127				5.00%	50V
C1129 1-115-339-11 CERNITIC CERT 0.007 10.005 SOV		< FUSE >			C1128	1-163-135-00	CERAMIC CHIP	560PF	5.00%	50V
\$\frac{130}{\text{A}} = \frac{1-57-22-11}{\text{B}} = \frac{130}{\text{C}} = \frac{1-70-0}{\text{C}} = \frac{1210}{\text{C}} = \frac{1000}{\text{C}} = 1					C1129	1-115-339-11	CERAMIC CHIP	0.1UF	10.00%	50V
A 1-533-725-11 BOLDER, FUSE (\$7826)	F7626	△ 1-576-232-11	FUSE (H.B.C.) 52	A/250V	-					
Clist				•		1-163-251-11	CERAMIC CHIP	100PF		
C1133			, , , , ,		C1132	1-163-021-91	CERAMIC CHIP	0.01UF		
C1135 1-164-004-11 CERMITC CHIP 0, IUF 10,00% 2597		< RESIST	OR >		C1133					
C1135	R7626	↑ 1-202-719-00	SOLID 1M	4 20% 1/2W	C1134	1-126-961-11	ELECT	2.2UF	20.00%	50V
C1136 1-164-004-11 CERMIC CEIP 0.1UF 10.00% 25V										
C1137				200						
C1138		< TRANSF	ORMER >		C1137					
C1140	* == CO =	. 1 422 400 11	EDANGEORNED III							
VD7626 Δ 1-803-830-11 VARISTOR (EREVIAD621) C1141	TF.1621	△ 1-433-488-11	TRANSFORMER, LI	NE FILTER	01140	1 111 016 01	DI DOM	15000	20 000	6317
C1142		/ WADTOM	IOD N		1				20.00%	
Variable		VARISI	OK >		-				5 NN 9	
*A-1624-091-A F4 Board, Complete (KV-28FX65/32FX65U) *A-1624-089-A F4 Board, Complete (KV-32FX65/32FX65E/32FX65K) *CONNECTOR > C1153 1-163-135-00 CERAMIC CHIP 560PF 5.00% 50V C1155 1-163-017-00 CERAMIC CHIP 0.10F 10.00% 50V C1155 1-163-017-00 CERAMIC CHIP 0.10F 10.00% 50V C1156 1-163-251-11 CERAMIC CHIP 0.10F 5.00% 50V C1157 1-163-021-91 CERAMIC CHIP 0.10F 10.00% 50V C1157 1-163-021-91 CERAMIC CHIP 0.10F 10.00% 50V C1159 1-164-004-11 CERAMIC CHIP 0.10F 10.00% 25V C1160 1-164-004-11 CERAMIC CHIP 0.10F 10.00% 25V C1160 1-164-004-11 CERAMIC CHIP 0.10F 10.00% 25V C1162 1-111-216-91 ELECT 1500F 20.00% 63V C1163 1-164-505-11 CERAMIC CHIP 0.10F 10.00% 25V C1164 1-107-77-00 MYLAR 0.10F 5.00% 63V C1165 1-164-505-11 CERAMIC CHIP 0.10F 10.00% 25V C1165 1-164-505-11 ELECT 100F 20.00% 35V C1165 1-164-505-11 ELECT 100F 20.00% 35V C1180 1-126-952-11 ELECT 300F 20.00% 10V C1180 1-126-952-11 ELECT 200F 20.00% 10V C1180 1-126-951-11 CERAMIC CHIP 0.10F 10.00% 25V C1180 1-126-951-11 CER	VD7626	A 1_903_930_11	173 D T C T ∩ D / E D 7 17 1	10621)	-					
*A-1624-089-A (KV-28FX65/32FX65U) *A-1624-089-A (KV-32FX65B/32FX65E/32FX65K) *CI154 1-115-339-1 CERAMIC CHIP 0.1UF 10.00% 50V C1155 1-163-017-00 CERAMIC CHIP 0.0UF 10.00% 50V C1156 1-163-021-91 CERAMIC CHIP 0.0UF 10.00% 50V C1156 1-163-021-91 CERAMIC CHIP 0.0UF 10.00% 50V C1156 1-163-021-91 CERAMIC CHIP 0.0UF 10.00% 50V C1157 1-163-021-91 CERAMIC CHIP 0.0UF 10.00% 50V C1159 1-164-004-11 CERAMIC CHIP 0.1UF 10.00% 25V C1160 1-164-004-11 CERAMIC CHIP 0.1UF 10.00% 25V C1161 1-164-004-11 CERAMIC CHIP 0.1UF 10.00% 25V C1162 1-111-216-91 CERAMIC CHIP 0.1UF 10.00% 25V C1163 1-164-05-11 CERAMIC CHIP 0.1UF 10.00% 25V C1163 1-164-05-11 CERAMIC CHIP 0.1UF 10.00% 25V C1164 1-130-777-00 MYLAR 0.1UF 5.00% 63V C1178 1-164-05-11 CERAMIC CHIP 0.1UF 10.00% 25V C1178 1-164-064-11 CERAMIC CHIP 0.1UF 10.00% 25V C1178 1-126-965-11 ELECT 100F 20.00% 50V C1179 1-126-965-11 ELECT 100F 20.00% 50V C1179 1-126-965-11 ELECT 100F 20.00% 50V C1179 1-126-952-11 ELECT 1000F 20.00% 50V C1179 1-126-952-11 ELECT 1000F 20.00% 50V C1180 1-126-952-11 ELECT 100	VD / 020	ZK 1-005-050-11	VARISION (ERZVI	10021)						
*A-1624-089-A	*A-16									
(KV-32FX65B/32FX65E/32FX65K) C1155 1-163-021-91 CERAMIC CHIP 0.0047UF 5.00% 50V C1156 1-163-021-91 CERAMIC CHIP 0.01UF 10.00% 50V CN7601 △*1-691-291-11 PIN, CONNECTOR (PC BOARD) CN7602 △*1-580-843-11 PIN, CONNECTOR (POWER) C1158 1-164-004-11 CERAMIC CHIP 0.1UF 10.00% 25V C1159 1-164-004-11 CERAMIC CHIP 0.1UF 10.00% 25V C1160 1-164-004-11 CERAMIC CHIP 0.1UF 10.00% 25V C1160 1-164-004-11 CERAMIC CHIP 0.1UF 10.00% 25V C1160 1-164-004-11 CERAMIC CHIP 0.1UF 10.00% 25V C1161 1-164-004-11 CERAMIC CHIP 0.1UF 10.00% 25V C1162 1-11-216-91 ELECT 150UF 20.00% 63V C1171 1-164-004-11 CERAMIC CHIP 0.1UF 10.00% 25V C1160 1-164-004-11 CERAMIC CHIP 0.1UF 10.00% 63V C1171 1-164-004-11 CERAMIC CHIP 0.1UF 10.00% 25V C1178 1-126-964-11 ELECT 10UF 20.00% 50V C1179 1-126-964-11 ELECT 10UF 20.00% 50V C1180 1-126-965-11 ELECT 10UUF 20.00% 50V C1181 1-126-952-11 ELECT 100UF 20.00% 35V *A-1631-126-A A Board, Complete (KV-28FX65E) *A-1632-916-A A Board, Complete (KV-32FX65E) *A-1632-917-A A Board, Complete (KV-32FX65E) 1-164-004-11 CERAMIC CHIP 0.1UF 10.00% 25V C1181 1-126-952-11 ELECT 100UF 20.00% 35V *C1181 1-126-952-11 ELECT 100UF 20.00% 30V 100W <p< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></p<>										
C1156 1-163-251-11 CERAMIC CHIP 100PF 5.00% 50V CN7601 △ *1-691-291-11 PIN, CONNECTOR (PC BOARD) 5P CN7602 △ *1-580-643-11 PIN, CONNECTOR (POWER) CN7601 △ 1-571-433-21 SWITCH, PUSH (AC POWER) *A-1631-128-A A Board, Complete (KV-28FX65E) *A-1631-127-A A Board, Complete (KV-28FX65E) *A-1631-127-A A Board, Complete (KV-28FX65E) *A-1632-916-A A Board, Complete (KV-28FX65B) *A-1632-917-A A Board, Complete (KV-32FX65B) *A-1632-917-B A Board, Complete (KV-32FX65B) *A-16	*A-16									
CNT601		(1	KV-32FX65B/32	FX65E/32FX65K)						
C1159 1-164-004-11 CERAMIC CHIP 0.1UF 10.00% 25V C1160 1-164-004-11 CERAMIC CHIP 0.1UF 10.00% 25V C1160 1-164-004-11 CERAMIC CHIP 0.1UF 10.00% 25V C1160 1-164-004-11 CERAMIC CHIP 0.1UF 10.00% 25V C1163 1-164-505-11 CERAMIC CHIP 0.1UF 16V C1163 1-164-505-11 CERAMIC CHIP 0.1UF 16V C1163 1-164-505-11 CERAMIC CHIP 0.1UF 16V C1163 1-164-505-11 CERAMIC CHIP 0.1UF 10.00% 25V C1164 1-130-777-00 MYLAR 0.1UF 5.00% 63V C1177 1-164-004-11 CERAMIC CHIP 0.1UF 10.00% 25V C1178 1-126-964-11 ELECT 10UF 20.00% 50V C1179 1-126-965-11 ELECT 10UF 20.00% 50V C1179 1-126-965-11 ELECT 1000UF 20.00% 35V C1180 1-126-952-11 ELECT 1000UF 20.00% 35V C1180 1-126-952-11 ELECT 1000UF 20.00% 35V C1181 1-126-952-11 ELECT 1000UF 20.00% 35V C1182 1-164-004-11 CERAMIC CHIP 0.1UF 10.00% 25V C1183 1-164-004-11 CERAMIC CHIP 0.1UF 10.00% 25V C1184 1-107-823-11 CERAMIC CHIP 0.1UF 10.00% 25V C1184 1-107-823-11 CERAMIC CHIP 0.1UF 10.00% 25V C1184 1-107-823-11 CERAMIC CHIP 0.4TUF 10.00% 25V C1184 1-107-823-11 CERAMIC CHIP 0.		< CONNEC	TOR >							
C1159 1-164-004-11 CERAMIC CHIP 0.1UF 10.00% 25V C1160 1-164-004-11 CERAMIC CHIP 0.1UF 10.00% 25V C1160 1-164-004-11 CERAMIC CHIP 0.1UF 10.00% 25V C1160 1-164-004-11 CERAMIC CHIP 0.1UF 10.00% 25V C1163 1-164-505-11 CERAMIC CHIP 0.1UF 16V C1163 1-164-505-11 CERAMIC CHIP 0.1UF 16V C1163 1-164-505-11 CERAMIC CHIP 0.1UF 16V C1163 1-164-505-11 CERAMIC CHIP 0.1UF 10.00% 25V C1164 1-130-777-00 MYLAR 0.1UF 5.00% 63V C1177 1-164-004-11 CERAMIC CHIP 0.1UF 10.00% 25V C1178 1-126-964-11 ELECT 10UF 20.00% 50V C1179 1-126-965-11 ELECT 10UF 20.00% 50V C1179 1-126-965-11 ELECT 1000UF 20.00% 35V C1180 1-126-952-11 ELECT 1000UF 20.00% 35V C1180 1-126-952-11 ELECT 1000UF 20.00% 35V C1181 1-126-952-11 ELECT 1000UF 20.00% 35V C1182 1-164-004-11 CERAMIC CHIP 0.1UF 10.00% 25V C1183 1-164-004-11 CERAMIC CHIP 0.1UF 10.00% 25V C1184 1-107-823-11 CERAMIC CHIP 0.1UF 10.00% 25V C1184 1-107-823-11 CERAMIC CHIP 0.1UF 10.00% 25V C1184 1-107-823-11 CERAMIC CHIP 0.4TUF 10.00% 25V C1184 1-107-823-11 CERAMIC CHIP 0.										
C1160 1-164-004-11 CERAMIC CHIP 0.1UF 10.00% 25V C1162 1-111-216-91 ELECT 150UF 20.00% 63V C1163 1-164-505-11 CERAMIC CHIP 2.2UF 16V *A-1631-128-A A Board, Complete (KV-28FX65B) *A-1631-126-A A Board, Complete (KV-28FX65E) *A-1631-127-A A Board, Complete (KV-28FX65E) *A-1631-127-A A Board, Complete (KV-28FX65E) *A-1632-916-A A Board, Complete (KV-32FX65U) *A-1632-917-A A Board, Complete (KV-32FX65E) *A-1632-917-B A Board, Complete (KV-32FX65E) *A-1632-917-B CERAMIC CHIP 0.1UF 10.00% 25V C1180 1-126-952-11 ELECT 20UF 20.00% 35V C1180 1-126-952-11 ELECT 1000UF 20.00% 35V C1180 1-126-952-11 ELECT 1000UF 20.00% 35V C1180 1-126-952-11 ELECT 1000UF 20.00% 35V C1180 1-164-004-11 CERAMIC CHIP 0.1UF 10.00% 25V C1180 1-164-004-11 CERAMIC CHIP 0.01UF 10.										
C1162 1-111-216-91 ELECT 150UF 20.00% 63V C1163 1-164-505-11 CERAMIC CHIP 2.2UF 16V S7601 △ 1-571-433-21 SWITCH, PUSH (AC POWER) C1164 1-130-777-00 MYLAR 0.1UF 5.00% 63V C1177 1-164-004-11 CERAMIC CHIP 0.1UF 10.00% 25V C1178 1-126-964-11 ELECT 10UF 20.00% 50V C1179 1-126-965-11 ELECT 2UF 20.00% 50V C1180 1-126-952-11 ELECT 100UF 20.00% 35V C1180 1-126-952-11 ELECT 100UF 20.00% 35V C1180 1-126-952-11 ELECT 100UF 20.00% 35V C1180 1-126-952-11 ELECT 1000UF 20.00% 35V C1180 1-164-004-11 CERAMIC CHIP 0.1UF 10.00% 25V C1180 1-164-004-11 CERAMIC CHIP 0.47UF 10.00% 25V C1180 1-104-661-91 ELECT 330UF 20.00% 16V C1226 1-104-661-91 ELECT 330UF 20.00% 16V C1326 1-163-059-91 CERAMIC CHIP 0.01UF 10.00% 50V C1326 1-163-059-91 CERAMIC CHIP 0.01UF 10.00% 50V C1326 1-163-059-91 CERAMIC CHIP 0.01UF 10.00% 50V C1328 1-163-251-11 CERAMIC CHIP 100PF 5.00% 50V	CN7602	△ *1-580-843-11	PIN, CONNECTOR	(POWER)						
*A-1631-128-A A Board, Complete (KV-28FX65B) *A-1631-127-A A Board, Complete (KV-28FX65E) *A-1631-127-A A Board, Complete (KV-28FX65B) *A-1632-916-A A Board, Complete (KV-32FX65B) *A-1632-917-A COMPLETE (KV-32FX65B) *A-1632-917-A A Board, Complete (KV-32FX65B) *A-1632-917-A A Board, Complete (KV-32FX65B) *A-1632-917-A A Board, Complete (KV-32FX65B) *A-1632-917-A COMPLETE (KV-32FX65B) *A-1632-917-A A Board, Complete (KV-32FX										
*A-1631-128-A A Board, Complete (KV-28FX65B) *A-1631-127-A A Board, Complete (KV-28FX65E) *A-1631-127-A A Board, Complete (KV-28FX65B) *A-1631-127-A A Board, Complete (KV-28FX65B) *A-1631-127-A A Board, Complete (KV-28FX65B) *A-1632-916-A A Board, Complete (KV-32FX65B) *A-1632-917-A A Board, Complete (KV-32FX65B) *A-1632-917-A A Board, Complete (KV-32FX65B) *A-1632-917-A Complete (KV-32FX65B) *A-1632-917-A A Board, Complete (KV-32FX65E/32FX65K) *A-1632-917-A Complete (KV-32FX65B) *A-1632-917-A A Board, Complete (KV-32FX65B) *A-1632-917-A Complete (KV-32FX65E/32FX65K) *A-1632-917-A Complete (KV-32FX65E/32FX65K) *A-1632-917-A A Board, Complete (KV-32FX65E/32FX65K) *A-1632-917-A Complete (KV-32FX65E/32FX65K) *A-1632-917-A A Board, Complete (KV-32FX65E/32FX65K) *A-1632-917-A A Boa		< SWITCH	>						20.00%	
*A-1631-128-A A Board, Complete (KV-28FX65B) *A-1631-126-A A Board, Complete (KV-28FX65E) *A-1631-127-A A Board, Complete (KV-28FX65U) *A-1632-916-A A Board, Complete (KV-32FX65B) *A-1632-917-A A Board, Complete (KV-32FX65B) *A-1632-917-A A Board, Complete (KV-32FX65E/32FX65K) *A-1632-917-A A Board, Complete (KV-32FX65E/32FX65K) *A-1632-917-A A Board, Complete (KV-32FX65E/32FX65K) *A-1632-917-A Complete (KV-32FX65E/32FX65K) *A-1632-917-A A Board, Complete (KV-32FX65E/32FX65K) *A-1632-917-A A Board, Complete (KV-32FX65E/32FX65K) *A-1632-917-A A Board, Complete (KV-32FX65E/32FX65K) *A-1632-917-A Complete (KV-32FX65E/32FX65K) *A-1632-917-A A Board, Chip 0.1UF 10.00% 25V *A-1632-917-A A Board, Chip 0.1UF 10.00% 50V	S7601	△ 1-571-433-21	SWITCH, PUSH (AC	C POWER)	C1163	1-164-505-11	CERAMIC CHIP	2.2UF		16V
A-1631-126-A A Board, Complete (KV-28FX65B) *A-1631-126-A A Board, Complete (KV-28FX65E) *A-1631-127-A A Board, Complete (KV-28FX65E) *A-1631-127-A A Board, Complete (KV-28FX65U) *A-1632-916-A A Board, Complete (KV-32FX65B) *A-1632-917-A A Board, Complete (KV-32FX65B) *A-1632-917-A A Board, Complete (KV-32FX65E/32FX65K) *A-1632-917-A A Board, Complete (KV-32FX65E/32FX65K) *A-1632-917-A A Board, Complete (KV-32FX65E/32FX65K) *A-1632-917-A CERAMIC CHIP 0.1UF 10.00% 25V *A-1632-917-A CERAMIC CHIP 0.1UF 10.00% 25V *A-1632-917-A CERAMIC CHIP 0.47UF 10.00% 16V *A-1632-917-A CERAMIC CHIP 0.47UF 10.00% 16V *A-1632-917-A CERAMIC CHIP 0.47UF 10.00% 16V *A-1632-917-A CERAMIC CHIP 0.1UF 10.00% 50V *A-1632-917-A CERAMIC CHIP 0.1UF 10.00% 50V *A-1632-917-A CERAMIC CHIP 0.1UF 10.00% 50V *A-1632-917-A A Board, Complete (KV-32FX65E/32FX65K) *A-1632-917-A A Boar					C1164	1-130-777-00	MYLAR	0.1UF	5.00%	63V
(KV-28FX65B) *A-1631-126-A A Board, Complete (KV-28FX65E) *A-1631-127-A A Board, Complete (KV-28FX65U/32FX65U) *A-1632-916-A A Board, Complete (KV-32FX65B) *A-1632-917-A A Board, Complete (KV-32FX65B) *A-1632-917-A A Board, Complete (KV-32FX65E/32FX65K) *A-1632-917-A A Board, Complete (KV-32FX65E/32FX65K) *A-1632-917-A C Board, Complete (KV-32FX65E/32FX65K) *A-1632-917-A A Board, Complete (KV-32FX65E/32FX65K) *A-1632-917-A C Board, C CHIP 0.1UF *A-1632-917-A C Board, C CHIP 0.4UF *A-1632-917-A A Board, C Board, C CHIP 0.4UF *A-1632-917-A A Board, C B	*A-16	31-128-A	A Board, Comp	lete	C1177	1-164-004-11	CERAMIC CHIP	0.1UF	10.00%	25V
*A-1631-126-A A Board, Complete (KV-28FX65E) *A-1631-127-A A Board, Complete (KV-28FX65U/32FX65U) *A-1632-916-A A Board, Complete (KV-32FX65B) *A-1632-917-A A Board, Complete (KV-32FX65B) *A-1632-917-A A Board, Complete (KV-32FX65E/32FX65K) *C1181 1-126-952-11 ELECT 1000UF 20.00% 35V *C1182 1-164-004-11 CERAMIC CHIP 0.1UF 10.00% 25V *C1183 1-164-004-11 CERAMIC CHIP 0.47UF 10.00% 16V *C1226 1-104-661-91 ELECT 330UF 20.00% 16V *C1226 1-164-505-11 CERAMIC CHIP 2.2UF 16V *C1326 1-163-059-91 CERAMIC CHIP 0.01UF 10.00% 50V *C1327 1-126-934-11 ELECT 220UF 20.00% 10V *C1328 1-163-251-11 CERAMIC CHIP 100PF 5.00% 50V	71.10				C1178	1-126-964-11	ELECT	10UF	20.00%	50V
(KV-28FX65E) *A-1631-127-A A Board, Complete (KV-28FX65U/32FX65U) *A-1632-916-A A Board, Complete (KV-32FX65B) *A-1632-917-A A Board, Complete (KV-32FX65B) *A-1632-917-A A Board, Complete (KV-32FX65E/32FX65K) *A-1632-917-A A Board, Complete (KV-32FX65E/32FX65K) C1181 1-126-952-11 ELECT 1000UF 20.00% 35V C1182 1-164-004-11 CERAMIC CHIP 0.1UF 10.00% 25V C1183 1-164-004-11 CERAMIC CHIP 0.1UF 10.00% 25V C1184 1-107-823-11 CERAMIC CHIP 0.47UF 10.00% 16V C1226 1-104-661-91 ELECT 330UF 20.00% 16V A Board, Common Parts C1227 1-164-505-11 CERAMIC CHIP 2.2UF 16V C1326 1-163-059-91 CERAMIC CHIP 0.01UF 10.00% 50V C1327 1-126-934-11 ELECT 220UF 20.00% 10V C1328 1-163-251-11 CERAMIC CHIP 100PF 5.00% 50V	*A-16			lete	C1179	1-126-965-11	ELECT	22UF	20.00%	50V
(KV-28FX65U/32FX65U) *A-1632-916-A A Board, Complete (KV-32FX65B) *A-1632-917-A A Board, Complete (KV-32FX65E/32FX65K) *A-1632-917-A A Board, Complete (KV-32FX65E/32FX65K) *A-1632-917-A A Board, Complete (KV-32FX65E/32FX65K) *C1181 1-126-952-11 ELECT 1000UF 20.00% 35V C1182 1-164-004-11 CERAMIC CHIP 0.1UF 10.00% 25V C1183 1-164-004-11 CERAMIC CHIP 0.1UF 10.00% 25V C1184 1-107-823-11 CERAMIC CHIP 0.47UF 10.00% 16V C1226 1-104-661-91 ELECT 330UF 20.00% 16V C1227 1-164-505-11 CERAMIC CHIP 2.2UF 16V C1326 1-163-059-91 CERAMIC CHIP 0.01UF 10.00% 50V C1327 1-126-934-11 ELECT 220UF 20.00% 10V C1328 1-163-251-11 CERAMIC CHIP 100PF 5.00% 50V	*Δ-16	(1	KV-28FX65E)		C1180	1-126-952-11	ELECT	1000UF	20.00%	35V
*A-1632-916-A A Board, Complete (KV-32FX65B) *A-1632-917-A A Board, Complete (KV-32FX65E/32FX65K) *A-1632-917-A A Board, Complete (KV-32FX65E/32FX65K) *A-1632-917-A A Board, Complete (KV-32FX65E/32FX65K) *C1183 1-164-004-11 CERAMIC CHIP 0.1UF 10.00% 25V 1184 1-107-823-11 CERAMIC CHIP 0.47UF 10.00% 16V 1184 1-107-823-11 CERAMIC CHIP 0.47UF 10.00% 16V 1184 1-104-661-91 ELECT 330UF 20.00% 16V 1185 1-164-505-11 CERAMIC CHIP 2.2UF 16V 1185 1-163-059-91 CERAMIC CHIP 0.01UF 10.00% 50V 1185 1-163-059-91 CERAMIC CHIP 0.01UF 10.00% 50V 1185 1-163-251-11 CERAMIC CHIP 100PF 5.00% 50V	A-10				C1181	1-126-952-11	ELECT	1000UF	20.00%	35V
(KV-32FX65B) *A-1632-917-A A Board, Complete (KV-32FX65E/32FX65K) C1183 1-164-004-11 CERAMIC CHIP 0.1UF 10.00% 25V C1184 1-107-823-11 CERAMIC CHIP 0.47UF 10.00% 16V C1226 1-104-661-91 ELECT 330UF 20.00% 16V C1326 1-163-059-91 CERAMIC CHIP 2.2UF 10.00% 50V C1326 C1327 1-126-934-11 ELECT 220UF 20.00% 10V C1328 1-163-251-11 CERAMIC CHIP 10.0F 5.00% 50V	*A-16									
*A-1632-917-A A Board, Complete (KV-32FX65E/32FX65K) C1184 1-107-823-11 CERAMIC CHIP 0.47UF 20.00% 16V C1226 1-104-661-91 ELECT 330UF 20.00% 16V C1227 1-164-505-11 CERAMIC CHIP 2.2UF 16V C1326 1-163-059-91 CERAMIC CHIP 0.01UF 10.00% 50V C1327 1-126-934-11 ELECT 220UF 20.00% 10V C1328 1-163-251-11 CERAMIC CHIP 100PF 5.00% 50V		(1	KV-32FX65B)							
C1226 1-104-661-91 ELECT 330UF 20.00% 16V A Board, Common Parts C1227 1-164-505-11 CERAMIC CHIP 2.2UF 16V C1326 1-163-059-91 CERAMIC CHIP 0.01UF 10.00% 50V C1327 1-126-934-11 ELECT 220UF 20.00% 10V C1328 1-163-251-11 CERAMIC CHIP 100PF 5.00% 50V	*A-16									
C1326 1-163-059-91 CERAMIC CHIP 0.01UF 10.00% 50V 4-382-854-11 SCREW (M3X10), P, SW (+) C1327 1-126-934-11 ELECT 220UF 20.00% 10V C1328 1-163-251-11 CERAMIC CHIP 100PF 5.00% 50V		(1	KV-32FX65E/32	FX65K)						
C1326 1-163-059-91 CERAMIC CHIP 0.01UF 10.00% 50V 4-382-854-11 SCREW (M3X10), P, SW (+) C1327 1-126-934-11 ELECT 220UF 20.00% 10V C1328 1-163-251-11 CERAMIC CHIP 100PF 5.00% 50V	A Bo	ard Common	Parts		C1227	1-164-505-11	CERAMIC CHIP	2 2117		16V
4-382-854-11 SCREW (M3X10), P, SW (+) C1327 1-126-934-11 ELECT 220UF 20.00% 10V C1328 1-163-251-11 CERAMIC CHIP 100PF 5.00% 50V	A BU	ara, common							10 00%	
C1328 1-163-251-11 CERAMIC CHIP 100PF 5.00% 50V		/_202_0E/_11	ርቦըፑፑ /M2V1በ\ ፣	O CM (T/						
		4-302-034 - 11	DOVER (MOVIO) , I	:, on (T)						
i e e e e e e e e e e e e e e e e e e e										



REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	N REMARK	
C1602	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	FB1901	1-414-553-11	FERRITE	OUH	
C1603	1-126-933-11	ELECT 100UF	20.00% 16V	FB1903	1-414-553-11	FERRITE	OUH	
C1604	1-126-933-11		20.00% 16V	FB1904	1-414-553-11		OUH	
C1605		CERAMIC CHIP 0.1UF	10.00% 25V	FB1905	1-414-553-11		OUH	
C1607		CERAMIC CHIP 0.1UF	10.00% 25V	FB1906	1-414-553-11		OUH	
C1608	1-126-934-11	ELECT 220UF	20.00% 16V	FB1907	1-414-553-11	FERRITE	OUH	
C1610	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V					
C1611	1-126-933-11	ELECT 100UF	20.00% 16V		< IC >			
C1615	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V					
				IC1126	8-759-544-25	IC TDA7482		
	< CONNECT	OR >		IC1151	8-759-544-25	IC TDA7482		
				IC1176	8-759-333-24	IC LM1876TF		
CN1111	*1-564-520-11	PLUG, CONNECTOR 5P		IC1400	8-752-072-94	IC CXA1875AM-	-Т4	
CN1200		CONNECTOR, BOARD TO 1	BOARD 40P					
CN1401		CONNECTOR, BOARD TO 1			< COIL >			
CN1600		CONNECTOR ASSY 20P						
CN1601		CONNECTOR ASSY 20P		L1126	1-416-857-11	INDUCTOR	65UH	
		***************************************		L1127	1-414-158-11		2.2UH	
CN1602	1-900-903-64	CONNECTOR ASSY 20P		L1128	1-414-158-11		2.2UH	
CN1700		PLUG, CONNECTOR 4P		L1151	1-416-857-11		65UH	
CN1702		PLUG, CONNECTOR 3P		L1152	1-414-158-11		2.2UH	
CN1702		PLUG, CONNECTOR 11P		11132	1 414 150 11	INDUCTOR	2,2011	
CN1801		CONNECTOR, BOARD TO 1	פחקבת החקב	L1153	1-414-158-11	TNIDITOTOR	2.2UH	
CHIOVI	1 033 233 11	COMMECTOR, DOMED TO	DOALD SVI	L1326	1-414-183-41		10UH	
CN1811	1-695-915-11	TAB (CONTACT)		11320	1 414 105 41	INDUCTOR	10011	
CN1901		CONNECTOR, BOARD TO 1	ROARD 40P		< TRANSIS	TOR >		
CN1902		PLUG, CONNECTOR 4P			(11411010	,101.		
CN1988		PIN, CONNECTOR 4P		Q1100	8-729-026-49	TRANSISTOR 2S	SA1037AK-T-146-R	
0112700	2 000 077 22	1111/ 00111201011 11		Q1101			SA1037AK-T-146-R	
	< DIODE >	•		Q1201			SC2412K-T-146-R	
	()2002 /			Q1202			SC2412K-T-146-R	
D1100	8-719-914-43	DIODE DAN202K-T-146		Q1204			SC2412K-T-146-R	
D1101		DIODE DAP202K-T-146		2-2	0 /13 110 10		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
D1102		DIODE DAN202K-T-146		Q1226	8-729-120-28	TRANSISTOR 2S	SC2412K-T-146-R	
D1103		DIODE DAN202K-T-146		Q1227			SC2412K-T-146-R	
D1104		DIODE DAN202K-T-146		Q1229		TRANSISTOR DI		
	0 120 021 10			Q1326			SC2412K-T-146-R	
D1201	8-719-976-96	DIODE UDZ-TE-17-4.7B		Q1327			SA1037AK-T-146-R	
D1401		DIODE UDZ-TE-17-6.2B		2-0-				
D1402		DIODE UDZ-TE-17-6.2B		Q1328	8-729-120-28	TRANSISTOR 2S	SC2412K-T-146-R	
D1405		DIODE DAP202K-T-146		Q1329			SA1037AK-T-146-R	
D1406		DIODE DAP202K-T-146		Q1601			SC2412K-T-146-R	
	V 120 021 11			Q1626			SC2412K-T-146-R	
D1407	8-719-069-55	DIODE UDZS-TE17-5.6B		~				
D1408		DIODE UDZS-TE17-5.6B			< RESISTO)R >		
D1626		DIODE DAN202K-T-146						
D1627		DIODE DAN202K-T-146		JR1203	1-216-296-91	SHORT	0	
D1629		DIODE DAN202K-T-146		JR1204	8-719-421-57		•	
				JR1601	1-216-296-91		0	
	< FERRITE	BEAD >		7212001			-	
	===================================	 -		R1001	1-216-295-11	SHORT	0	
FB1126	1-410-397-21	FERRITE 1.1UH		R1002	1-216-295-11		0	
FB1127	1-410-397-21			R1003	1-216-295-11		0	
FB1151	1-410-397-21			R1003	1-216-295-11		0	
FB1151 FB1152	1-410-397-21			R1004	1-216-295-11		0	
	T 410 331-21	1.10n		11003	1 210 233-11	DIIVIT	•	



R1228 1-216-073-00 RES-CHIP 10K 5% 1/10W R1229 1-216-073-00 RES-CHIP 10K 5% 1/10W R1230 1-216-055-00 RES-CHIP 1.8K 5% 1/10W R1232 1-216-295-11 SHORT 0 R1233 1-216-049-11 RES-CHIP 1K 5% 1/10W R1326 1-216-025-11 RES-CHIP 100 5% 1/10W R1327 1-216-025-11 RES-CHIP 100 5% 1/10W R1328 1-216-073-00 RES-CHIP 10K 5% 1/10W R1328 1-216-073-00 RES-CHIP 10K 5% 1/10W R1329 1-216-025-11 RES-CHIP 100 5% 1/10W R1320 1-216-025-11 RES-CHIP 100 5% 1/10W R1321 1-216-041-00 RES-CHIP 100 5% 1/10W R1322 1-216-041-00 RES-CHIP 470 5% 1/10W R1333 1-216-041-00 RES-CHIP 470 5% 1/10W R1331 1-216-041-00 RES-CHIP 470 5% 1/10W R1332 1-216-041-00 RES-CHIP 470 5% 1/10W R1333 1-216-041-00 RES-CHIP 470 5% 1/10W R1334 1-216-041-00 RES-CHIP 470 5% 1/10W R1335 1-216-045-11 RES-CHIP 12K 5% 1/10W R1336 1-216-045-11 RES-CHIP 12K 5% 1/10W R1337 1-216-045-10 RES-CHIP 470 5% 1/10W R1338 1-216-045-10 RES-CHIP 470 5% 1/10W R1339 1-216-045-10 RES-CHIP 470 5% 1/10W R1330 1-216-045-10 RES-CHIP 470 5% 1/10W R1331 1-216-045-10 RES-CHIP 470 5% 1/10W R1333 1-216-045-10 RES-CHIP 470 5% 1/10W R1334 1-216-045-10 RES-CHIP 470 5% 1/10W R1335 1-216-045-11 RES-CHIP 100 5% 1/10W R1336 1-216-045-11 RES-CHIP 100 5% 1/10W R1337 1-216-045-10 RES-CHIP 12K 5% 1/10W R1338 1-216-045-10 RES-CHIP 12K 5% 1/10W R1339 1-216-045-11 RES-CHIP 100 5% 1/10W R1330 1-216-045-11 RES-CHIP 100 5% 1/10W R1331 1-216-045-11 RES-CHIP 100 5% 1/10W R1333 1-216-045-10 RES-CHIP 100 5% 1/10W R1334 1-216-045-11 RES-CHIP 100 5% 1/10W R1335 1-216-025-11 RES-CHIP 100 5% 1/10W R1336 1-216-045-11 RES-CHIP 100 5% 1/10W	REF. NO.	PART.NO	DESCRIPTIO	N		REMARK	RE	F. NO.	PART.NO	DESCRIPTIO	N		REMARK
	R1006	1-216-295-11	SHORT	0			R1:	.339	1-216-041-00	RES-CHIP	470	5%	1/10W
1-216-05-00 285-CHIP 0.0 0.5 1/100 1.216-05-01 285-CHIP 100 5 1/100 1.216-05-01 1800CT 0 0.0	R1100	1-216-025-11	RES-CHIP	100	5%	1/10W	R1:	340	1-216-043-91	RES-CHIP	560	5%	
R1104	R1101	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	R1:	342	1-216-073-00	RES-CHIP	10K	5%	1/10W
R1126	R1103	1-216-089-11	RES-CHIP	47K	5%	1/10W	R1	403	1-216-295-11	SHORT	0		
RILIZE	R1104	1-216-296-91	SHORT	0			R1	404	1-216-295-11	SHORT	0		
RILOR -216-041-00 RSS-CHIP 470 54 1/10W RILOR -216-025-11 RSS-CHIP 100 54 1/10W RILOR -216-075-00 RSS-CHIP 100 55 1/10W RILOR -216-025-11 RSS-CHIP 100 55 1/10W RILOR -216-075-00 RSS-CHIP 100 55 1/10W RILOR -216-025-11 RSS-CHIP 100 55 1/10W RILOR -216-075-01 RSS-CHIP 100 55 1/10W RILOR -216-025-11 RSS-CHIP 100 55 1/10W RILOR -216-075-01 RSS-CHIP -216 55 1/10W RILOR -216-025-11 RSS-CHIP -216 -216 -216 -216-025-11 RSS-CHIP -216 -21	R1126	1-208-762-11	RES-CHIP	150	0.5%	1/10W	R1	405	1-216-025-11	RES-CHIP	100	5%	1/10W
RISS 1-206-075-00 RES-CHIP 150 0.56 1/10W RI410 1-216-025-11 RES-CHIP 100 56 1/10W RI410 1-216-035-10 RES-CHIP 100 100 RES-CHIP 100 100 RES-CHIP 100	R1127	1-216-073-00	RES-CHIP	10K	5%	1/10W	R1	407	1-216-025-11	RES-CHIP	100	5%	1/10W
RI152	R1128	1-216-041-00	RES-CHIP	470	5%	1/10W	R1	408	1-216-025-11	RES-CHIP	100	5%	1/10W
R1153	R1151	1-208-762-11	METAL CHIP	150	0.5%	1/10W	R1	409	1-216-025-11	RES-CHIP	100	5%	1/10W
R1179 1-216-083-91 RES-CHIP 3.9K 5.8 1/10W R1601 1-216-057-00 RES-CHIP 2.2K 5.8 1/10W R1601 1-216-057-00 RES-CHIP 2.7K 5.8 1/10W R1601 1-216-057-00 RES-CHIP 47K 5.8 1/10W R1602 1-208-22-11 RES-CHIP 47K 5.8 1/10W R1603 1-216-025-11 RES-CHIP 100 5.8 1/10W R1603 1-216-049-11 RES-CHIP 100 5.8 1/10W R1604 1-216-049-11 RES-CHIP 100 5.8 1/10W R1605 1-216-029-00 RES-CHIP 100 5.8	R1152	1-216-075-00	RES-CHIP	12K	5%	1/10W	R1	410	1-216-025-11	RES-CHIP	100	5%	1/10W
R1190	R1153	1-216-041-00	RES-CHIP	470	5%	1/10W	R1	411	1-216-295-11	SHORT	0		
R180	R1176	1-216-063-91	RES-CHIP	3.9K	5%	1/10W	R1	412	1-216-295-11	SHORT	0		
R1181	R1179	1-216-357-00	METAL OXIDE	4.7	5%	1W	R1	601	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R1182 1-216-081-00 RES-CHIP 22K 5% 1/10W R1605 1-216-049-11 RES-CHIP 1K 5% 1/10W R1618 1-216-089-11 RES-CHIP 47K 5% 1/10W R1610 1-216-065-91 RES-CHIP 47K 5% 1/10W R1610 1-216-065-91 RES-CHIP 47K 5% 1/10W R1616 1-216-039-11 RES-CHIP 47K 5% 1/10W R1616 1-216-039-11 RES-CHIP 47K 5% 1/10W R1616 1-216-039-11 RES-CHIP 47K 5% 1/10W R1618 1-216-029-11 RES-CHIP 47K 5% 1/10W R1618 1-216-029-01 RES-CHIP 10W R1621 1-216-029-00 RES-CHIP 10W R1622 1-216-029-00 RES-CHIP 10W R1625 1-216-029-00 RES-CHIP 10W R1625 1-216-029-00 RES-CHIP 10W R1625 1-216-029-00 RES-CHIP 10W R1625 1-216-029-11 RES-CHIP 10W R1626 1-693-911 10	R1180	1-216-081-00	RES-CHIP	22K	5%	1/10W	R1	602	1-208-822-11	METAL CHIP	47K	0.5%	1/10W
R183	R1181	1-216-045-00	RES-CHIP	680	5%	1/10W	R1	.603	1-216-025-11	RES-CHIP	100	5%	1/10W
R1184	R1182	1-216-081-00	RES-CHIP	22K	5%	1/10W	R1	.605	1-216-049-11	RES-CHIP	1K	5%	1/10W
R1185	R1183	1-216-045-00	RES-CHIP	680	5%	1/10W	R1	609	1-216-089-11	RES-CHIP	47K	5%	1/10W
R1201 1-216-089-11 RES-CHIP	R1184	1-216-089-11	RES-CHIP	47K	5%	1/10W	R1	610	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R1202 1-216-083-00 RES-CHIP 27K 5% 1/10W R1622 1-216-029-00 RES-CHIP 120 5% 1/10W R1623 1-216-083-00 RES-CHIP 150 5% 1/10W R1625 1-216-029-00 RES-CHIP 150 5% 1/10W R1625 1-216-029-00 RES-CHIP 150 5% 1/10W R1625 1-216-029-00 RES-CHIP 150 5% 1/10W R1625 1-216-029-11 SHORT 0	R1185	1-216-089-11	RES-CHIP	47K	5%	1/10W	R1	616	1-216-304-11	RES-CHIP	3.3	5%	1/10W
R1203	R1201	1-216-089-11	RES-CHIP	47K	5 %	1/10W	R1	618	1-216-295-11	SHORT	0		
R1204	R1202	1-216-083-00	RES-CHIP	27K	5%	1/10W	R1	621	1-216-027-00	RES-CHIP	120	5%	1/10W
R1205 1-216-089-11 RES-CHIP 10K 5% 1/10W	R1203	1-216-083-00	RES-CHIP	27K	5%	1/10W	R1	.622	1-216-029-00	RES-CHIP	150	5%	1/10W
R1208		1-216-071-00	RES-CHIP	8.2K	5%	1/10W	R1	.625	1-216-295-11	SHORT	0		
R1208		1-216-089-11	RES-CHIP	47K	5%	1/10W							
R1209	R1206	1-216-073-00	RES-CHIP	10K	5%	1/10W		A Boa	rd Variant Pa	rts KV-28F	X65		
R1209 1-216-065-91 RES-CHIP 4.7K 5% 1/10W R1210 1-216-089-11 RES-CHIP 47K 5% 1/10W R1227 1-216-073-00 RES-CHIP 10K 5% 1/10W R1228 1-216-073-00 RES-CHIP 10K 5% 1/10W R1230 1-216-055-00 RES-CHIP 1 1.8K 5% 1/10W R1231 1-216-055-11 SHORT 0 R1232 1-216-049-11 RES-CHIP 10 5% 1/10W R1323 1-216-049-11 RES-CHIP 10 5% 1/10W R1326 1-216-073-00 RES-CHIP 10 5% 1/10W R1327 1-216-025-11 RES-CHIP 10 5% 1/10W R1328 1-216-073-00 RES-CHIP 10 5% 1/10W R1329 1-216-040-00 RES-CHIP 10 5% 1/10W R1329 1-216-041-00 RES-CHIP 10 5% 1/10W R1330 1-216-041-00 RES-CHIP 470 5% 1/10W R1331 1-216-041-00 RES-CHIP 470 5% 1/10W R1333 1-216-041-00 RES-CHIP 470 5% 1/10W R1333 1-216-05-00 RES-CHIP 470 5% 1/10W R1334 1-216-05-00 RES-CHIP 470 5% 1/10W R1335 1-216-05-00 RES-CHIP 470 5% 1/10W R1336 1-216-041-00 RES-CHIP 470 5% 1/10W R1337 1-216-041-00 RES-CHIP 470 5% 1/10W R1338 1-216-05-00 RES-CHIP 470 5% 1/10W R1339 1-216-041-00 RES-CHIP 470 5% 1/10W R1331 1-216-041-00 RES-CHIP 470 5% 1/10W R1333 1-216-05-00 RES-CHIP 470 5% 1/10W R1334 1-216-05-00 RES-CHIP 470 5% 1/10W R1335 1-216-05-00 RES-CHIP 470 5% 1/10W R1336 1-216-05-00 RES-CHIP 470 5% 1/10W R1337 1-216-041-00 RES-CHIP 470 5% 1/10W R1338 1-216-05-00 RES-CHIP 470 5% 1/10W R1339 1-216-05-00 RES-CHIP 470 5% 1/10W R1330 1-216-05-00 RES-CHIP 470 5% 1/10W R1331 1-216-05-00 RES-CHIP 470 5% 1/10W R1333 1-216-05-00 RES-CHIP 470 5% 1/10W R1334 1-216-05-00 RES-CHIP 470 5% 1/10W R1335 1-216-05-01 RES-CHIP 470 5% 1/10W R1336 1-216-05-01 RES-CHIP 470 5% 1/10W R1337 1-216-05-01 RES-CHIP 470 5% 1/10W R1338 1-216-05-01 RES-CHIP 470 5% 1/10W R1339 1-216-05-01 RES-CHIP 470 5% 1/10W R1330 1-216-05-01 RES-CHIP 470 5% 1/10W R1331 1-216-05-01 RES-CHIP 470 5% 1/10W R1333 1-216-05-01 RES-CHIP 470 5% 1/10W R1334 1-216-05-01 RES-CHIP 470 5% 1/10W R1335 1-216-05-01 RES-CHIP 470 5% 1/10W R1336 1-216-05-01 RES-CHIP 470 5% 1/10W R1337 1-216-05-01 RES-CHIP 470 5% 1/10W R1338 1-216-05-01 RES-CHIP 470 5% 1/10W R1339 1-216-05-01 RES-CHIP 470 5% 1/10W R1330 1-216-05-01 RES-CHIP 470 5% 1/10W R1330 1-216-05-01 RES-CHIP 470 5% 1/10W R1		1-216-089-11	RES-CHIP	47K	5%	1/10W			< CAPACIT	OR >			
R1227 1-216-073-00 RES-CHIP 10K 5% 1/10W R1228 1-216-073-00 RES-CHIP 10K 5% 1/10W R1229 1-216-073-00 RES-CHIP 10K 5% 1/10W R1230 1-216-055-00 RES-CHIP 1.8K 5% 1/10W R1231 1-216-055-11 RES-CHIP 1.8K 5% 1/10W R1232 1-216-049-11 RES-CHIP 1K 5% 1/10W R1326 1-216-025-11 RES-CHIP 100 5% 1/10W R1327 1-216-025-11 RES-CHIP 100 5% 1/10W R1328 1-216-073-00 RES-CHIP 100 5% 1/10W R1329 1-216-073-00 RES-CHIP 100 5% 1/10W R1320 1-216-041-00 RES-CHIP 100 5% 1/10W R1321 1-216-055-11 RES-CHIP 100 5% 1/10W R1322 1-216-073-00 RES-CHIP 100 5% 1/10W R1323 1-216-041-00 RES-CHIP 100 5% 1/10W R1324 1-216-055-11 RES-CHIP 100 5% 1/10W R1335 1-216-041-00 RES-CHIP 470 5% 1/10W R1331 1-216-041-00 RES-CHIP 470 5% 1/10W R1333 1-216-055-00 RES-CHIP 470 5% 1/10W R1334 1-216-055-00 RES-CHIP 12K 5% 1/10W R1335 1-216-055-11 RES-CHIP 100 5% 1/10W R1336 1-216-055-11 RES-CHIP 12K 5% 1/10W R1337 1-216-055-11 RES-CHIP 12K 5% 1/10W R1338 1-216-055-00 RES-CHIP 470 5% 1/10W R1339 1-216-055-11 RES-CHIP 12K 5% 1/10W R1331 1-216-055-11 RES-CHIP 12K 5% 1/10W R1333 1-216-055-10 RES-CHIP 12K 5% 1/10W R1334 1-216-055-11 RES-CHIP 100 5% 1/10W R1335 1-216-055-11 RES-CHIP 100 5% 1/10W R1336 1-216-055-11 RES-CHIP 100 5% 1/10W R1337 1-216-055-11 RES-CHIP 100 5% 1/10W R1338 1-216-055-11 RES-CHIP 100 5% 1/10W R1339 1-216-055-11 RES-CHIP 12K 5% 1/10W R1331 1-216-055-11 RES-CHIP 12K 5% 1/10W R1332 1-216-055-11 RES-CHIP 12K 5% 1/10W R1333 1-216-055-11 RES-CHIP 12K 5% 1/10W R1334 1-216-055-11 RES-CHIP 100 5% 1/10W R1335 1-216-055-11 RES-CHIP 100 5% 1/10W		1-216-065-91	RES-CHIP	4.7K	5%	1/10W							
R1227 1-216-073-00 RES-CHIP 10K 5% 1/10W				47K	5%		C1:	139	1-104-329-11	CERAMIC CHIP	0.1UF		10.00% 50V
R1229				10K									(KV-28FX65B/28FX65U)
R1229 1-216-073-00 RES-CHIP 10K 5% 1/10W R1230 1-216-055-00 RES-CHIP 1.8K 5% 1/10W R1232 1-216-295-11 SHORT 0 R1233 1-216-049-11 RES-CHIP 1K 5% 1/10W R1326 1-216-025-11 RES-CHIP 100 5% 1/10W R1327 1-216-025-11 RES-CHIP 100 5% 1/10W R1328 1-216-073-00 RES-CHIP 10K 5% 1/10W R1329 1-216-025-11 RES-CHIP 100 5% 1/10W R1329 1-216-025-11 RES-CHIP 100 5% 1/10W R1330 1-216-041-00 RES-CHIP 470 5% 1/10W R1331 1-216-041-00 RES-CHIP 470 5% 1/10W R1331 1-216-041-00 RES-CHIP 470 5% 1/10W R1333 1-216-041-00 RES-CHIP 470 5% 1/10W R1334 1-216-069-00 RES-CHIP 12K 5% 1/10W R1335 1-216-069-00 RES-CHIP 6.8K 5% 1/10W R1336 1-216-069-00 RES-CHIP 6.8K 5% 1/10W R1337 1-216-069-01 RES-CHIP 100 5% 1/10W R1338 1-216-075-01 RES-CHIP 100 5% 1/10W R1339 1-216-041-01 RES-CHIP 100 5% 1/10W R1330 1-216-041-01 RES-CHIP 12K 5% 1/10W R1331 1-216-041-01 RES-CHIP 12K 5% 1/10W R1333 1-216-075-01 RES-CHIP 12K 5% 1/10W R1334 1-216-069-01 RES-CHIP 12K 5% 1/10W R1335 1-216-05-11 RES-CHIP 100 5% 1/10W R1336 1-216-05-11 RES-CHIP 100 5% 1/10W R1337 1-216-041-01 RES-CHIP 12K 5% 1/10W R1338 1-216-05-338-11 TUNER/VIF (REP) (KV-28FX65E) R1335 1-216-025-11 RES-CHIP 100 5% 1/10W R1336 1-216-025-11 RES-CHIP 100 5% 1/10W R1337 1-216-041-01 RES-CHIP 100 5% 1/10W R1338 1-216-05-338-11 TUNER/VIF (REP) (KV-28FX65E)	R1228	1-216-073-00	RES-CHIP	10K	5%	1/10W							, , , , , , , , , , , , , , , , , , , ,
R1232 1-216-295-11 SHORT 0 R1233 1-216-049-11 RES-CHIP 1K 5% 1/10W R1326 1-216-025-11 RES-CHIP 100 5% 1/10W R1328 1-216-073-00 RES-CHIP 10K 5% 1/10W R1329 1-216-025-11 RES-CHIP 100 5% 1/10W R1330 1-216-041-00 RES-CHIP 470 5% 1/10W R1331 1-216-041-00 RES-CHIP 470 5% 1/10W R1332 1-216-041-00 RES-CHIP 470 5% 1/10W R1333 1-216-075-00 RES-CHIP 470 5% 1/10W R1334 1-216-069-00 RES-CHIP 470 5% 1/10W R1335 1-216-069-00 RES-CHIP 6.8K 5% 1/10W R1336 1-216-069-00 RES-CHIP 6.8K 5% 1/10W R1337 1-216-069-11 RES-CHIP 6.8K 5% 1/10W R1338 1-216-069-11 RES-CHIP 6.8K 5% 1/10W R1339 1-216-069-11 RES-CHIP 6.8K 5% 1/10W R1330 1-216-069-11 RES-CHIP 6.8K 5% 1/10W R1331 1-216-069-11 RES-CHIP 6.8K 5% 1/10W R1333 1-216-075-11 RES-CHIP 6.8K 5% 1/10W R1334 1-216-069-11 RES-CHIP 6.8K 5% 1/10W R1335 1-216-025-11 RES-CHIP 100 5% 1/10W R1335 1-216-025-11 RES-CHIP 100 5% 1/10W R1336 1-216-03-339-11 TUNER/VIF (AEP) (KV-28FX65B)						•			< CONNECT	OR >			
R1232 1-216-295-11 SHORT 0 R1233 1-216-049-11 RES-CHIP 1K 5% 1/10W R1326 1-216-025-11 RES-CHIP 100 5% 1/10W R1327 1-216-025-11 RES-CHIP 100 5% 1/10W R1328 1-216-073-00 RES-CHIP 10K 5% 1/10W R1329 1-216-025-11 RES-CHIP 100 5% 1/10W R1330 1-216-041-00 RES-CHIP 470 5% 1/10W R1331 1-216-041-00 RES-CHIP 470 5% 1/10W R1332 1-216-041-00 RES-CHIP 470 5% 1/10W R1333 1-216-075-00 RES-CHIP 470 5% 1/10W R1334 1-216-069-00 RES-CHIP 470 5% 1/10W R1335 1-216-055-11 RES-CHIP 100 5% 1/10W R1336 1-216-055-11 RES-CHIP 470 5% 1/10W R1337 1-216-041-00 RES-CHIP 470 5% 1/10W R1338 1-216-075-00 RES-CHIP 470 5% 1/10W R1339 1-216-055-11 RES-CHIP 100 5% 1/10W R1330 1-216-055-11 RES-CHIP 100 5% 1/10W R1331 1-216-041-00 RES-CHIP 470 5% 1/10W R1333 1-216-075-00 RES-CHIP 12K 5% 1/10W R1334 1-216-069-00 RES-CHIP 6.8K 5% 1/10W R1335 1-216-025-11 RES-CHIP 100 5% 1/10W R1336 1-216-025-11 RES-CHIP 100 5% 1/10W R1337 1-216-045-01 RES-CHIP 100 5% 1/10W R1338 1-216-055-11 RES-CHIP 100 5% 1/10W R1339 1-216-055-11 RES-CHIP 100 5% 1/10W R1330 1-216-055-11 RES-CHIP 100 5% 1/10W R1331 1-216-041-00 RES-CHIP 100 5% 1/10W R1332 1-216-041-00 RES-CHIP 100 5% 1/10W R1334 1-216-069-00 RES-CHIP 100 5% 1/10W R1335 1-216-025-11 RES-CHIP 100 5% 1/10W R1336 1-216-025-11 RES-CHIP 100 5% 1/10W R1337 1-216-041-00 RES-CHIP 100 5% 1/10W R1338 1-216-075-00 RES-CHIP 100 5% 1/10W R1339 1-216-041-00 RES-CHIP 100 5% 1/10W R1330 1-216-041-00 RES-CHIP 100 5% 1/10W R1					5%	1/10W	CN	1666	1-695-915-11	TAB (CONTACT)		
R1233							CN	1802			-	?	(KV-28FX65B)
R1327 1-216-025-11 RES-CHIP 100 5% 1/10W R1328 1-216-073-00 RES-CHIP 10K 5% 1/10W R1329 1-216-025-11 RES-CHIP 100 5% 1/10W R1330 1-216-041-00 RES-CHIP 470 5% 1/10W R1331 1-216-041-00 RES-CHIP 470 5% 1/10W R1332 1-216-041-00 RES-CHIP 470 5% 1/10W R1333 1-216-075-00 RES-CHIP 470 5% 1/10W R1334 1-216-069-00 RES-CHIP 12K 5% 1/10W R1334 1-216-069-00 RES-CHIP 6.8K 5% 1/10W R1335 1-216-025-11 RES-CHIP 100 5% 1/10W R1336 1-216-025-11 RES-CHIP 100 5% 1/10W R1337 1-216-075-00 RES-CHIP 12K 5% 1/10W R1338 1-216-075-00 RES-CHIP 12K 5% 1/10W R1339 1-216-075-00 RES-CHIP 12K 5% 1/10W R1330 1-216-075-00 RES-CHIP 12K 5% 1/10W R1331 1-216-075-00 RES-CHIP 100 5% 1/10W R1334 1-216-069-00 RES-CHIP 100 5% 1/10W R1335 1-216-025-11 RES-CHIP 100 5% 1/10W R1336 1-216-025-11 RES-CHIP 100 5% 1/10W R1337 1-216-025-11 RES-CHIP 100 5% 1/10W R1338 1-216-025-11 RES-CHIP 100 5% 1/10W R1339 1-216-025-11 RES-CHIP 100 5% 1/10W R1330 1-216-025-11 RES-CHIP 100 5% 1/10W R1331 1-216-025-11 RES-CHIP 100 5% 1/10W										·			
R1328 1-216-073-00 RES-CHIP 10K 5% 1/10W IC1602 8-759-574-78 IC KA78K05-SIDTO IC1602 8-759-574-78 IC KA278K05-YDTU IC1602 8-759-574-78 IC KA278K05-YDTU IC1604 8-759-544-13 IC KA78K09-YDTU IC1604 8-759-574-75 IC KA78K09-YDTU IC1605 8-759-574-75 IC KA78K33-YDTU (KV-28FX65U) IC1605 8-759-574-75 IC KA78K3-YDTU (KV-28FX65U) IC1605 8-759-574-75 IC KA78K05-YDTU (KV-28FX65U) IC1605 8-759-574-75 IC KA78K09-YDTU (KV-28FX65U) IC1605 8-759-574-75 IC KA78K09-YDTU (KV-28FX65U) IC1605 8-759-574-75 IC KA78K3-YDTU (KV-28FX65U) IC1605 8-759-574-75 IC KA78K09-YDTU (KV-28FX65U) IC1605 8-75	R1326	1-216-025-11	RES-CHIP	100	5%	1/10W			< IC >				
R1328 1-216-073-00 RES-CHIP 10K 5% 1/10W IC1602 8-759-574-78 IC KA78K05-SIDIU R1329 1-216-025-11 RES-CHIP 100 5% 1/10W IC1602 8-759-574-78 IC KA78R09-YDTU R1330 1-216-041-00 RES-CHIP 470 5% 1/10W IC1605 8-759-574-75 IC KA78R33-YDTU (KV-28FX65U) R1331 1-216-041-00 RES-CHIP 470 5% 1/10W IC1605 8-759-574-75 IC KA78R33-YDTU (KV-28FX65U) R1332 1-216-041-00 RES-CHIP 470 5% 1/10W IC1605 8-759-574-75 IC KA78R33-YDTU (KV-28FX65U) R1333 1-216-075-00 RES-CHIP 12K 5% 1/10W IC1605 8-759-574-75 IC KA78R33-YDTU (KV-28FX65E) R1334 1-216-069-00 RES-CHIP 12K 5% 1/10W IC1605 8-759-574-75 IC KA78R33-YDTU (KV-28FX65E) R1335 1-216-025-11 RES-CHIP 100 5% 1/10W IC1605 8-759-574-75 IC KA78R33-YDTU (KV-28FX65E) R1335 1-216-041-00 RES-CHIP 12K 5% 1/10W IC1605 8-759-574-75 IC KA78R09-YDTU (KV-28FX65E) R1335 1-216-041-00 RES-CHIP 470 5% 1/10W IC1605 8-759-574-75 IC KA78R33-YDTU (KV-28FX65E) R1335 1-216-041-00 RES-CHIP 470 5% 1/10W IC1605 8-759-574-75 IC KA78R33-YDTU (KV-28FX65E) R1335 1-216-041-00 RES-CHIP 470 5% 1/10W IC1605 8-759-574-75 IC KA78R33-YDTU (KV-28FX65E) R1335 1-216-041-00 RES-CHIP 470 5% 1/10W IC1605 8-759-574-75 IC KA78R3-YDTU (KV-28FX65E) R1335 1-216-041-00 RES-CHIP 470 5% 1/10W IC1605 8-759-574-75 IC KA78R09-YDTU (KV-28FX65E) R1335 1-216-041-00 RES-CHIP 470 5% 1/10W IC1605 8-759-574-75 IC KA78R09-YDTU (KV-28FX65E) R1335 1-216-041-00 RES-CHIP 470 5% 1/10W IC1605 8-759-574-75 IC KA78R3-YDTU (KV-28FX65E) R1335 1-216-041-00 RES-CHIP 470 5% 1/10W IC1605 8-759-574-75 IC KA78R09-YDTU (KV-28FX65E) R1335 1-216-041-00 RES-CHIP 470 5% 1/10W IC1605 8-759-574-75 IC KA78R09-YDTU (KV-28FX65E) R1335 1-216-041-00 RES-CHIP 100 5% 1/10W IC1605 8-759-574-75 IC KA78R3-YDTU (KV-28FX65E) R1335 1-216-041-00 RES-CHIP 100 5% 1/10W IC1605 8-759-574-75 IC KA78R09-YDTU (KV-28FX65E) R1335 1-216-041-00 RES-CHIP 100 5% 1/10W IC1605 8-759-574-75 IC KA78R3-YDTU (KV-28FX65E) R1335 1-216-041-00 RES-CHIP 100 5% 1/10W IC1605 8-759-574-75 IC KA78R3-YDTU (KV-28FX65E) R1336 1-216-041-00 RES-CHIP 100 5% 1/10W IC1605 8-759-574-75 IC KA78R3-YDTU (KV-28FX65E)	R1327	1-216-025-11	RES-CHIP	100	5%	1/10W	TO:	1601	0_750_574 76	דר עאססטה מי	יזיייטעע		
R1329 1-216-025-11 RES-CHIP 100 5% 1/10W R1330 1-216-041-00 RES-CHIP 470 5% 1/10W R1331 1-216-041-00 RES-CHIP 470 5% 1/10W R1332 1-216-041-00 RES-CHIP 470 5% 1/10W R1333 1-216-075-00 RES-CHIP 12K 5% 1/10W R1334 1-216-069-00 RES-CHIP 6.8K 5% 1/10W R1335 1-216-025-11 RES-CHIP 100 5% 1/10W R1336 1-216-025-11 RES-CHIP 100 5% 1/10W R1376 1-693-338-11 TUNER/VIF (AEP) (KV-28FX65B) R1387 1-216-025-11 RES-CHIP 100 5% 1/10W	R1328	1-216-073-00	RES-CHIP	10K	5%	1/10W							
R1330 1-216-041-00 RES-CHIP 470 5% 1/10W R1331 1-216-041-00 RES-CHIP 470 5% 1/10W R1332 1-216-041-00 RES-CHIP 470 5% 1/10W R1333 1-216-075-00 RES-CHIP 12K 5% 1/10W R1334 1-216-069-00 RES-CHIP 6.8K 5% 1/10W R1335 1-216-025-11 RES-CHIP 100 5% 1/10W R1336 1-216-025-11 RES-CHIP 100 5% 1/10W R1376 1-693-338-11 TUNER/VIF (AEP) (KV-28FX65B) R1377 1-693-339-11 TUNER/VIF (AEP) (KV-28FX65B)	R1329	1-216-025-11	RES-CHIP	100	5%	1/10W							
R1331 1-216-041-00 RES-CHIP 470 5% 1/10W R1332 1-216-041-00 RES-CHIP 470 5% 1/10W R1333 1-216-075-00 RES-CHIP 12K 5% 1/10W R1334 1-216-069-00 RES-CHIP 6.8K 5% 1/10W R1335 1-216-025-11 RES-CHIP 100 5% 1/10W R136 1-693-338-11 TUNER/VIF (AEP) (KV-28FX65E) R137 1-693-339-11 TUNER/VIF (UK) (KV-28FX65D)	R1330	1-216-041-00	RES-CHIP	470	5%	1/10W							(KV-28FX65II)
R1332 1-216-041-00 RES-CHIP 470 5% 1/10W R1333 1-216-075-00 RES-CHIP 12K 5% 1/10W R1334 1-216-069-00 RES-CHIP 6.8K 5% 1/10W R1335 1-216-025-11 RES-CHIP 100 5% 1/10W R1336 1-216-025-11 RES-CHIP 100 5% 1/10W R1376 1-693-339-11 TUNER/VIF (AEP) (KV-28FX65E) R1386 1-693-339-11 TUNER/VIF (UK) (KV-28FX65E)	R1331	1-216-041-00	RES-CHIP	470	5%	1/10W	10.		0 139 314-13	TO MATORIUS I	-10		(AT ZOLAUJU)
R1334 1-216-069-00 RES-CHIP 6.8K 5% 1/10W 1-693-338-11 TUNER/VIF (FK) (KV-28FX65E) R1335 1-216-025-11 RES-CHIP 100 5% 1/10W 1-693-339-11 TUNER/VIF (UK) (KV-28FX65U)		1-216-041-00	RES-CHIP	470	5%	1/10W			< TUNER >				
R1334 1-216-069-00 RES-CHIP 6.8K 5% 1/10W 1-693-338-11 TUNER/VIF (AEP) (KV-28FX65E) R1335 1-216-025-11 RES-CHIP 100 5% 1/10W 1-693-339-11 TUNER/VIF (UK) (KV-28FX65U)		1-216-075-00	RES-CHIP	12K	5%	1/10W	יוזיף	1326	1-693-340-11	TUNER/VIF (F	R)		(KV-28FX65B)
R1335 1-216-025-11 RES-CHIP 100 5% 1/10W 1-693-339-11 TUNER/VIF (UK) (KV-28FX65U)		1-216-069-00	RES-CHIP	6.8K	5%	1/10W				-	•		
R1336 1-216-041-00 RES-CHIP 470 5% 1/10W		1-216-025-11	RES-CHIP	100	5%	1/10W				-			
	R1336	1-216-041-00	RES-CHIP	470	5%	1/10W			_ 130 007 11		1		,
R1337 1-216-041-00 RES-CHIP 470 5% 1/10W		1-216-041-00	RES-CHIP	470	5%	1/10W							
R1338 1-216-001-00 RES-CHIP 10 5% 1/10W	R1338	1-216-001-00	RES-CHIP	10	5%	1/10W							



REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
A Boa	rd Variant Pa	rts KV-32FX65		C9110	1-165-321-11	CERAMIC CHIP 0.68UF	10.00% 16V
				C9111	1-164-157-11	CERAMIC CHIP 0.068UF	10.00% 25V
	< CAPACIT	OR >		C9112		CERAMIC CHIP 0.1UF	10.00% 25V
				C9113		CERAMIC CHIP 0.1UF	10.00% 25V
C1139	1-104-329-11	CERAMIC CHIP 0.1UF	10.00% 50V (KV-32FX65U)	C9114	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
C1612	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C9115	1-115-340-11	CERAMIC CHIP 0.22UF	10.00% 25V
		(KV	-32FX65B/32FX65E/32FX65K)	C9117		CERAMIC CHIP 0.1UF	10.00% 25V
C1613	1-126-933-11	•	20.00% 16V	C9118	1-104-664-11		20.00% 25V
			-32FX65B/32FX65E/32FX65K)	C9119	1-163-259-91	CERAMIC CHIP 220PF	5.00% 50V
		·		C9121	1-163-251-11	CERAMIC CHIP 100PF	5.00% 50V
C1617	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V				
		(KV	-32FX65B/32FX65E/32FX65K)	C9122	1-115-340-11	CERAMIC CHIP 0.22UF	10.00% 25V
		·		C9123	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
	< CONNECT	OR >		C9124	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
				C9125	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
CN1666	1-695-915-11	TAB (CONTACT)	(KV-32FX65U)	C9126	1-163-239-11	CERAMIC CHIP 33PF	5.00% 50V
CN1802		PLUG, CONNECTOR, 3P					
		(KV	-32FX65B/32FX65E/32FX65K)	C9127	1-163-239-11	CERAMIC CHIP 33PF	5.00% 50V
CN1904	1-564-506-11	PLUG, CONNECTOR, 3P		C9128	1-163-239-11	CERAMIC CHIP 33PF	5.00% 50V
		(KV	-32FX65B/32FX65E/32FX65K)	C9129	1-163-239-11	CERAMIC CHIP 33PF	5.00% 50V
				C9130	1-163-239-11	CERAMIC CHIP 33PF	5.00% 50V
	< IC >			C9131	1-163-239-11	CERAMIC CHIP 33PF	5.00% 50V
IC1601	8-759-069-28	TC PO05RF11		C9132	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
IC1602		IC KA278R05-SYDTU		C9400		CERAMIC CHIP 0.10F	10.00% 25V
IC1604	8-759-054-28			C9500	1-104-664-11		20.00% 25V
IC1605	8-759-069-28	-		C9502	1-104-664-11		20.00% 25V 20.00% 25V
101003	0 733 003 20	IC IQUONIII		C9503	1-126-964-11		20.00% 50V
	< RESISTO	DR >					
				C9504	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
R1617	1-216-304-11		5% 1/10W	C9505	1-104-665-11		20.00% 25V
		•	-32FX65B/32FX65E/32FX65K)	C9506		CERAMIC CHIP 100PF	5.00% 50V
R1623	1-216-033-00		5% 1/10W	C9507		CERAMIC CHIP 0.22UF	10.00% 25V
		(KV	-32FX65B/32FX65E/32FX65K)	C9508	1-115-340-11	CERAMIC CHIP 0.22UF	10.00% 25V
	< TUNER >	•		C9509	1-163-251-11	CERAMIC CHIP 100PF	5.00% 50V
				C9510		CERAMIC CHIP 0.22UF	10.00% 25V
TU1326	1-693-340-11	TUNER/VIF (FR)	(KV-32FX65B)	C9511		CERAMIC CHIP 0.1UF	10.00% 25V
		TUNER/VIF (AEP)	(KV-32FX65E/32FX65K)	C9512	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
		TUNER/VIF (UK)	(KV-32FX65U)	C9513	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
				C9514	1 162 225 11	CERAMIC CHIP 22PF	5.00% 50V
*A-163		M1 Board, Complet		C9514		CERAMIC CHIP 22PF	5.00% 50V
* 1 4 6 6		(V-28FX65/32FX65		C9515		CERAMIC CHIP 22PF	5.00% 50V 5.00% 50V
"A-163		/I1 Board, Complet (V-32FX65B/32FX6		C9516		CERAMIC CHIP 100PF	10.00% 50V
	(r	(V-3ZFX0315/3ZFX0	3=732FX03N)	C9517		CERAMIC CHIP 0.0010F	10.00% 50V 10.00% 25V
				C9516	1-113-340-11	CERAMIC CHIP 0.220F	10.00% 250
М1 Во	ard, Commo	n Parts		C9519	1-126-964-11	ELECT 10UF	20.00% 50V
	< CAPACIT	OR >		C9520	1-163-251-11	CERAMIC CHIP 100PF	5.00% 50V
					< CONNECT	OR >	
C9100		CERAMIC CHIP 0.22UF	10.00% 25V		. 001111101	· ·- -· ·	
C9101		CERAMIC CHIP 100PF	5.00% 50V	CN9101	1-695-301-11	CONNECTOR, BOARD TO BO	ARD 40P
C9102		CERAMIC CHIP 100PF	5.00% 50V				
C9104	1-104-664-11	ELECT 47UF	20.00% 25V	İ			
C9105		CERAMIC CHIP 0.1UF	10.00% 25V				

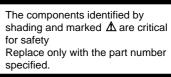


	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPT	ON		REMARK
	< DIODE >				< RESISTO	R >			
D9100	8-719-988-61	DIODE 1SS355TE-17		R9100	1-216-073-00	RES-CHIP	10K	5%	1/10W
9101	8-719-988-61	DIODE 1SS355TE-17		R9101	1-216-033-00	RES-CHIP	220	5%	1/10W
9102	8-719-988-61	DIODE 1SS355TE-17		R9102	1-216-033-00	RES-CHIP	220	5%	1/10W
9103	8-719-988-61	DIODE 1SS355TE-17		R9103	1-216-025-11	RES-CHIP	100	5%	1/10W
9104	8-719-056-83	DIODE UDZ-TE-17-6.8B		R9104	1-216-073-00	RES-CHIP	10K	5%	1/10W
9105	8-719-914-43	DIODE DAN202K-T-146		R9105	1-216-073-00	RES-CHIP	10K	5%	1/10W
9107	8-719-025-31	DIODE 02CZ5.6-TE85L		R9106	1-216-073-00	RES-CHIP	10K	5%	1/10W
				R9107	1-216-025-11	RES-CHIP	100	5%	1/10W
	< FILTER	>		R9108	1-216-025-11	RES-CHIP	100	5%	1/10W
				R9109	1-216-073-00	RES-CHIP	10K	5%	1/10W
L9101		ENCAPSULATED COMPONENT							
L9500		ENCAPSULATED COMPONENT		R9110	1-216-081-00		22K	5%	1/10W
L9501	1-236-071-11	ENCAPSULATED COMPONENT		R9111	1-216-025-11		100	5%	1/10W
				R9112	1-216-025-11		100	5 %	1/10W
	< IC >			R9113	1-216-033-00		220	5 %	1/10W
C9100	8-759-988-13	IC LM393PS-E20		R9114	1-216-083-00	RES-CHIP	27K	5%	1/10W
C9104		IC MB3793-42PNF-ER		R9115	1-216-081-00	RES-CHIP	22K	5%	1/10W
C9105		IC SAB-C161PI-LM		R9116	1-216-073-00		10K	5%	1/10W
C9107		IC TC55257DFTL-70V-EL		R9117	1-216-073-00		10K	5%	1/10W
C9108		IC M24C32-MN6T		R9119	1-216-073-00		10K	5%	1/10W
				R9120	1-216-073-00		10K	5 %	1/10W
C9110	8-759-559-96	IC HEF4094BT							
C9500	8-759-188-33	IC 74F00SJX		R9121	1-216-017-91	RES-CHIP	47	5%	1/10W
C9501		IC MSM5116400D-60SJR1		R9122	1-216-049-11		1K	5%	1/10W
C9502	8-759-665-84	IC SDA5275-3PC02-22		R9123	1-216-073-00		10K	5%	1/10W
				R9127	1-216-049-11		1K	5%	1/10W
	< COIL >			R9128	1-216-097-11	RES-CHIP	100K	5%	1/10W
9400	1-412-029-11	INDUCTOR CHIP 10UH		R9135	1-216-295-11	SHORT	0		
9401	1-412-029-11	INDUCTOR CHIP 10UH		R9138	1-216-049-11	RES-CHIP	1K	5%	1/10W
				R9140	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
	< TRANSIS	TOR >		R9141	1-216-049-11	RES-CHIP	1K	5%	1/10W
				R9142	1-216-041-00	RES-CHIP	470	5%	1/10W
9100		TRANSISTOR 2SC2412K-T-1							
9101		TRANSISTOR 2SC2412K-T-1		R9143	1-216-049-11		1K	5%	1/10W
9102		TRANSISTOR 2SA1037K-T-1		R9144	1-216-057-00		2.2K		1/10W
9103		TRANSISTOR 2SC2412K-T-1		R9145	1-216-049-11		1K	5%	1/10W
9105	8-729-120-28	TRANSISTOR 2SC2412K-T-1	16-R	R9146	1-216-049-11		1K	5 %	1/10W
0100	0 700 007 46	MDANGTOMOD DMG114VVA M1	16	R9147	1-216-049-11	RES-CHIP	1K	5%	1/10W
9106		TRANSISTOR DTC114YKA-T1 TRANSISTOR DTC114YKA-T1		D0140	1_016 070 00	DEC. CUID	102	E 0.	1 /1 057
9107				R9148	1-216-073-00		10K	5% 5%	1/10W
9108		TRANSISTOR DTC114YKA-T1 TRANSISTOR DTC114YKA-T1		R9149 R9150	1-216-025-11 1-216-025-11		100 100	ວ∜ 5%	1/10W 1/10W
9109 9110		TRANSISTOR DTC1144KA-T1 TRANSISTOR 2SC2412K-T-1		R9150 R9151	1-216-025-11		100	ວ∜ 5%	1/10W 1/10W
2110	0-123-120-28	INMINDIDIUR ZOCZ4IZR-T-I	Λ-υ:	R9151 R9153	1-216-025-11		100	ວ∜ 5%	1/10W 1/10W
9500	8-729-902-21	TRANSISTOR 2SA1037K-T-1	16-R			01111		-	-/
9501		TRANSISTOR 2SA1037K-T-1		R9159	1-216-069-00	RES-CHIP	6.8K	5%	1/10W
9502		TRANSISTOR 2SA1037K-T-1		R9161	1-216-069-00		6.8K		1/10W
		TRANSISTOR DTC144EKA-T1		R9162	1-216-069-00		6.8K		1/10W
9503									
9503 9504	1-801-806-11	TRANSISTOR DTC144EKA-T1	16	R9164	1-216-069-00	RES-CHIP	6.8K	5%	1/10W





REF. NO.	PART.NO	DESCRIPTIO	N		REMARK	REF. NO.	PART.NO	DESCRIPT	TON	RE	MARK
R9168	1-216-069-00	RES-CHIP	6.8K	5%	1/10W	R9526	1-216-057-00	RES-CHIP	2.2K	5% 1/10W	
R9172	1-216-069-00		6.8K	5%	1/10W	R9527	1-216-057-00		2.2K	•	
R9173	1-216-295-11	SHORT	0		•	R9528	1-216-025-11	RES-CHIP		5% 1/10W	
R9174	1-216-025-11		100	5%	1/10W	R9529	1-216-025-11		100	5% 1/10W	
R9175	1-216-025-11		100	5%	1/10W	R9530	1-216-025-11			5% 1/10W	
					-,					-,	
R9176	1-216-025-11	RES-CHIP	100	5%	1/10W	R9531	1-216-295-11	SHORT	0		
R9177	1-216-025-11	RES-CHIP	100	5%	1/10W						
R9178	1-216-025-11	RES-CHIP	100	5%	1/10W		< CRYSTAI	· >			
R9179	1-216-097-11	RES-CHIP	100K	5%	1/10W						
R9184	1-216-025-11	RES-CHIP	100	5%	1/10W	X9101	1-781-107-21	VIBRATOR,	CERAMIC		
						X9500	1-760-551-21	VIBRATOR,	CERAMIC		
R9185	1-216-025-11	RES-CHIP	100	5%	1/10W						
R9186	1-216-025-11	RES-CHIP	100	5%	1/10W	M1 Bo	ard Variant F	Parts KV-2	28FX65		
R9187	1-216-065-91	RES-CHIP	4.7K	5%	1/10W						
R9188	1-216-073-00	RES-CHIP	10K	5%	1/10W						
R9189	1-216-025-11	RES-CHIP	100	5%	1/10W		< IC >				
						IC9109	8-759-544-32	TC M27C000	10021		
R9191	1-216-025-11	RES-CHIP	100	5%	1/10W	109109	0-739-344-32	IC M2/C000	-100KI		
R9192	1-216-025-11	RES-CHIP	100	5%	1/10W						
R9193	1-216-097-11		100K		1/10W	M1 Bo	ard Variant F	Parts KV-3	32FX65		
R9194	1-216-097-11	RES-CHIP	100K	5%	1/10W						
R9195	1-216-097-11	RES-CHIP	100K	5%	1/10W		< IC >				
R9196	1-216-073-00		10K	5%	1/10W	IC9109	8-759-597-95	IC M27C800			
R9197	1-216-073-00		10K	5%	1/10W				-		FX65E/32FX65K)
R9500	1-216-295-11		0				8-759-544-32	IC M27C800	-100K1	(KV-32FX	65U)
R9501	1-216-295-11		0								
R9502	1-216-295-11	SHORT	0			*A-163	38-139-A C B	oard, Con	nplete		
R9504	1-216-041-00	RES-CHIP	470	5%	1/10W		4-382-854-11	CCDEM /M3A	10\ D CM	1 /+\	
R9505	1-216-051-00	RES-CHIP	1.2K	5%	1/10W		4-302-034-11	SCKEW (MSK	10), F, SM	(()	
R9506	1-216-073-00	RES-CHIP	10K	5%	1/10W		< CAPACIT	10P >			
R9507	1-216-097-11	RES-CHIP	100K	5%	1/10W		CAPACII	.01. /			
R9508	1-216-017-91	RES-CHIP	47	5%	1/10W	C5301	1-163-075-00	CEBAMIC CH	TP 0 04711F	,	50V
						C5302	1-128-528-11		470UF	20.00%	
R9509	1-216-049-11	RES-CHIP	1K	5%	1/10W	C5303	1-163-087-00			0.25PF	
R9510	1-216-017-91	RES-CHIP	47	5%	1/10W	C5304	1-107-967-11		1UF	20.00%	
R9511	1-216-049-11	RES-CHIP	1K	5%	1/10W	C5305	1-136-207-11				
R9512	1-216-017-91	RES-CHIP	47	5%	1/10W	33333	1 100 107 11		0101701	20.000	
R9513	1-216-017-91	RES-CHIP	47	5%	1/10W	C5306	1-163-017-00	CERAMIC CH	IP 0.0047U	F 10.00%	50V
						C5307	1-163-233-11				
R9514	1-216-017-91	RES-CHIP	47	5%	1/10W	C5308	1-163-089-00				
R9515	1-216-295-11	SHORT	0			C5309	1-163-035-00				50V
R9516	1-216-295-11	SHORT	0			C5310	1-163-113-00				
R9517	1-216-295-11	SHORT	0					V	**	• • • • • • • • • • • • • • • • • • • •	
R9518	1-216-049-11	RES-CHIP	1K	5%	1/10W	C5325	1-163-087-00	CERAMIC CH	IP 4PF	0.25PF	50V
						C5326	1-163-017-00				
R9519	1-216-039-00	RES-CHIP	390	5%	1/10W	C5328	1-128-528-11		470UF	20.00%	
R9520	1-216-039-00	RES-CHIP	390	5%	1/10W	C5329	1-107-967-11		1UF	20.00%	
R9521	1-216-039-00	RES-CHIP	390	5%	1/10W	C5330	1-136-207-11				
R9522	1-216-295-11	SHORT	0							20.000	= ***
R9523	1-216-295-11	SHORT	0			C5331	1-163-089-00	CERAMIC CH	IP 6PF	0.50PF	50V
						C5332	1-163-231-11				
R9524	1-216-295-11	SHORT	0			C5333	1-163-035-00				50V
R9525	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	C5334	1-163-113-00				
									-	••	-



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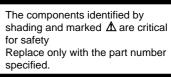
REF. NO.	PART.NO	DESCRIPTIO	N	REMA	RK	REF. NO.	PART.NO	DESCRIPTION	l		REMARK
C5350	1-107-907-11	ELECT	22UF	20.00% 5	0V		< SOCKET	>			
C5351	1-163-087-00	CERAMIC CHIP	4PF	0.25PF 5	0V						
C5352	1-163-017-00	CERAMIC CHIP	0.0047UF	10.00% 5	0V	J5375 △	1-540-071-22	SOCKET, CRT			
C5353	1-163-075-00	CERAMIC CHIP	0.047UF	50	0V						
C5354	1-128-528-11	ELECT	470UF	20.00% 1	6V		< COIL >				
C5355	1-107-967-11	ELECT	1UF	20.00% 4	00V	L5300	1-408-591-11	INDUCTOR	1UH		
C5356	1-136-207-11	MYLAR	0.047UF	10.00% 4	V00	L5325	1-408-591-11	INDUCTOR	1UH		
C5357	1-163-231-11	CERAMIC CHIP	15PF	5.00% 50	0V	L5350	1-408-591-11	INDUCTOR	1UH		
C5358	1-163-087-00	CERAMIC CHIP	4PF	0.25PF 5	0V	L5375	1-410-671-31	INDUCTOR	47UE	I	
5359	1-163-035-00				0V	L5376		LINK, IC 1A/1			
C5360	1-163-113-00	CERAMIC CHIP	68PF	5.00% 5	0V	L5377	1-414-183-41	INDUCTOR	10UF	i	
C5375	1-107-902-11		1UF	20.00% 5							
C5376	1-102-106-00		100PF	10.00% 5			< TRANSIS	STOR >			
C5377	1-104-331-11		0.0022UF	10.00% 1			(11411011	,101.			
C5377	1-162-116-00		680PF	10.00% 1		Q5300	8-720-255-12	TRANSISTOR 25	C25510	ר⊒סיף_(
JJJ 10	1 102 110-00	CHANIC	JUVEE	10.000 2		-		TRANSISTOR 25			,
C5379	1-162-114-00	CEDANTO	0 004711	01	KV	Q5301 Q5325		TRANSISTOR 25			.
			0.0047UF								
C5380	1-107-652-11		10UF	20.00% 2		Q5326		TRANSISTOR 25		_	
C5381	1-117-214-11		0.001UF	10.00% 21		Q5350	8-729-029-56	TRANSISTOR DI	:A144ES	SA-TP	
C5382	1-162-114-00	CERAMIC	0.0047UF	21	KV						
						Q5351		TRANSISTOR 25			
	< CONNECT	OR >				Q5352		TRANSISTOR 25			
						Q5375	8-729-119-78	TRANSISTOR 25	SC1740S	S-RT	
N5400	1-564-511-51					Q5376	8-729-026-39	TRANSISTOR 25	3A933AS	S-RT	
CN5511	1-695-915-11	TAB (CONTACT)								
CN5600	1-508-766-00	PIN, CONNECT	OR (5MM PIT	CH) 4P			< RESISTO	OR >			
	< DIODE >	•				R5300	1-249-417-11	CARBON	1K	5%	1/4W
						R5301	1-247-807-31	CARBON	100	5%	1/4W
5300	8-719-911-19	DIODE 1SS119	-25TD			R5302	1-535-143-61	LEAD, JUMPER	(5.0MM	1)	
5302	8-719-901-83	DIODE 1SS83T	D			R5303	1-208-790-11	METAL CHIP	2.2K	0.5%	1/10W
5325	8-719-911-19	DIODE 1SS119	-25TD			R5304	1-202-557-00	SOLID	220	20%	1/2W
05327	8-719-901-83	DIODE 1SS83T	D								
05350	8-719-911-19	DIODE 1SS119	-25TD			R5305	1-215-929-11	METAL OXIDE	100K	5%	3W
						R5306	1-249-424-11	CARBON	3.9K	5%	1/4W
5351	8-719-991-33	DIODE 1SS133	T-77			R5307	1-249-433-11		22K		1/4W
5353		DIODE 1SS83T				R5308	1-216-057-00		2.2K		1/10W
5375		DIODE 1SS133				R5309	1-216-658-11		2K		1/10W
5376		DIODE 1SS133									, = ***
)5377		DIODE GP08DP				R5310	1-216-059-00	RES-CHIP	2.7K	5 %	1/10W
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	5 /15 900 05	DIODE GEOODE				R5325	1-249-417-11		1K	5%	1/4W
5378	8-710-021-00	DIODE MTZJ-T	_77_120			R5325	1-247-807-31		100		1/4W 1/4W
)5376)5379		DIODE MIZJ-I				R5326 R5327		LEAD, JUMPER			T/ 3H
							1-335-143-61	•			1 /1 012
5380 5381		DIODE MTZJ-T DIODE RGP02-				R5328	1-200-790-11	METAL CHIP	2.2K	∪.5₹	1/10W
2201	0-113-031-34	- אסידע דריידי	evegej			R5329	1-202-557-00	SOLID	220	20%	1/2W
	< IC >					R5330	1-215-929-11		100K		3W
	. 10 /					R5331	1-249-424-11		3.9K		1/4W
C5300	8-750-360-02	IC TDA6111Q/	NΔ			R5331	1-249-424-11		22K		1/4W 1/4W
C5325		IC TDA61110/				R5333	1-216-057-00	KE9-CHIL	2.2K	3 8	1/10W
C5350	8-159-360-83	IC TDA6111Q/	N4			DE224	1 016 050 00	DEG 5075	0 5	F 0	1 /1 017
						R5334	1-216-059-00		2.7K		1/10W
						DF 33E	1 216 650 11	METAT CUTD	70	n E 0.	1 / 7 / 157
						R5335 R5350	1-216-658-11 1-249-417-11		2K 1K	0.5% 5%	1/10W 1/4W

The components identified by shading and marked ⚠ are critical for safety Replace only with the part number specified.





REF. NO.	PART.NO	DESCRIPTIO	N		REMARK	REF. NO.		PART.NO	DESCRIP	TION	RE	MARK
R5351	1-247-807-31	CARBON	100	5%	1/4W			< CAPACIT	OR >			
R5352	1-249-416-11	CARBON	820	5%	1/4W							
R5353	1-249-421-11	CARBON	2.2K	5%	1/4W	C6600	Δ	1-113-927-11	CERAMIC	10000PF	20.00%	250V
R5354	1-249-418-11	CARBON	1.2K	5%	1/4W	C6603		1-126-933-11	ELECT	100UF	20.00%	16V
R5355	1-535-143-61	LEAD, JUMPER	(5.0M	1)		C6604		1-126-767-11	ELECT	1000UF	20.00%	16V
						C6605	Λ	1-119-888-51	CERAMIC	2200PF	20.00%	250V
R5356	1-208-790-11				1/10W	C6606	Δ	1-119-888-51	CERAMIC	2200PF	20.00%	250V
R5357	1-202-557-00		220	20%	1/2W							
R5358	1-215-929-11		100K		3W	C6607		1-107-565-11		0.33UF	20.00%	
R5359	1-249-433-11		22K	5% 5°	1/4W	C6608		1-161-964-91		0.0047UF		250V
R5360	1-249-424-11	CARBON	3.9K	5%	1/4W	C6609		1-161-964-91		0.0047UF		250V
DE261	1 040 421 11	CADDON	1 577	E 0.	1 / 414	C6610		1-161-964-91		0.0047UF		250V
R5361	1-249-431-11		15K		1/4W	C6611	<u> </u>	1-161-964-91	CERAMIC	0.0047UF		250V
R5362 R5363	1-216-057-00 1-216-059-00		2.2K 2.7K		1/10W 1/10W	C6612		1-113-927-11	CEDAMIC	10000PF	20.00%	25017
R5364	1-216-658-11		2.7K		1/10W 1/10W	C6616		1-113-927-11		680PF	10.00%	
R5375	1-249-435-11		33K	5%	1/4W	C6617		1-164-625-11		680PF	10.00%	
13373	1 249 455 11	CANDON	JJK	J 0	1/ 11	C6618		1-136-175-00		0.68UF	5.00%	
R5376	1-249-429-11	CARRON	10K	5%	1/4W	C6619		1-137-194-81		0.47UF	5.00%	
R5377	1-249-430-11		12K	5% 5%	1/4W	00013		1 157 151 01		0.1701	3.000	301
R5378	1-249-429-11		10K	5% 5%	1/4W	C6620		1-136-618-11	FILM	0.047UF	5.00%	1.25KV
R5379	1-249-438-11		56K	5%	1/4W	C6621		1-136-175-00		0.68UF	5.00%	
R5380	1-249-433-11		22K	5%	1/4W	C6622		1-164-625-11		680PF	10.00%	
					·	C6623		1-137-194-81	FILM	0.47UF	5.00%	
R5381	1-216-055-00	RES-CHIP	1.8K	5%	1/10W	C6624		1-126-968-11	ELECT	100UF	20.00%	50V
R5382	1-202-549-00	SOLID	100	20%	1/2W							
R5383	1-216-399-00	METAL OXIDE	6.8	5%	3W	C6626		1-164-625-11	CERAMIC	680PF	10.00%	500V
R5384	1-216-399-00	METAL OXIDE	6.8	5%	3W	C6627		1-164-625-11	CERAMIC	680PF	10.00%	500V
R5385	1-202-549-00	SOLID	100	20%	1/2W	C6628		1-126-936-11	ELECT	3300UF	20.00%	16V
						C6629		1-128-548-11	ELECT	4700UF	20.00%	
R5386	1-202-884-11			20%	1/2W	C6630		1-110-626-11	ELECT	330UF	20.00%	160V
R5387	1-202-884-11			20%	1/2W							
R5388	1-215-911-11		100	5% = °	3W	C6631		1-126-955-11		4700UF	20.00%	
R5389	1-249-417-11	CARBON	1K	5%	1/4W	C6632		1-126-955-11		4700UF	20.00%	
	∠ ₩ D T X D T	E DECTOMOD >				C6634 C6635		1-136-165-00		0.1UF 47UF	5.00%	
	< VARIABI	LE RESISTOR >				C6636		1-104-664-11 1-102-129-00		470F 0.01UF	20.00% 10.00%	
RV5375	1_2/1_656_21	RES, ADJ, ME	ידים זגייי	M 110	ı.	C0030		1-102-129-00	CERAMIC	0.0101	10.00%	J0V
RV5376		RES, ADJ, ME				C6637		1-102-129-00	CERAMIC	0.01UF	10.00%	50V
1175570	1 230 041 11	NEO, ADO, ME	IND OD	100 2.1		C6638		1-137-368-11		0.0101 0.0047UF	5.00%	
* 4 4 6	40-328-A [D Board, Co	man lad			C6639		1-102-228-00		470PF	10.00%	
"A-102		у Боага, Со (V-28FX65)	mpiet	e		C6641		1-126-967-11		47UF	20.00%	
*A-164		D Board, Co	mplet	e		C6642		1-128-551-11		22UF	20.00%	
		(V-32FX65B			32FX65K)							
*A-164	40-323-A [D Board, Co	mplet		,	C6647		1-104-664-11	ELECT	47UF	20.00%	25V
	(H	(V-32FX65U)			C6649		1-126-965-11	ELECT	22UF	20.00%	50V
						 C6651		1-161-964-91	CERAMIC	0.0047UF		250V
D Boa	rd, Common	Parts				C6653		1-126-968-11	ELECT	100UF	20.00%	50V
						C6654		1-162-117-00	CERAMIC	100PF	10.00%	500V
	1-695-915-11	TAB (CONTACT	')									
		SPACER, INSU				C6655		1-107-974-11		47PF	5.00%	
	4-202-373-01					C6656		1-126-967-11		47UF	20.00%	
		SCREW (M3X10), P, S	SW (+)		C6657		1-126-941-11		470UF	20.00%	
	*4-931-401-01					C6658		1-104-665-11		100UF	20.00%	
						C6659		1-104-665-11	ELECT	100UF	20.00%	25V

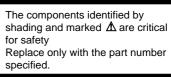


REF. NO.	PART.NO	DESCRIPTIO	N	RE	WARK	REF. NO.	PART.NO	DESCRIP	TION	RE	MARK
C6661	1-117-753-11	ELECT (BLOCK)	470UF	20.00%	450V	C6832	1-126-941-11	ELECT	470UF	20.00%	25V
C6662	1-136-165-00		0.1UF	5.00%		C6833	1-126-941-11		470UF	20.00%	
C6664	1-136-153-00		0.01UF	5.00%		C6834	1-102-228-00		470PF	10.00%	
C6665	1-136-165-00		0.1UF	5.00%		C6835	1-102-228-00	CERAMIC	470PF	10.00%	
C6666	1-136-165-00	FILM	0.1UF	5.00%	50V	C6836	1-123-024-21	ELECT	33UF		160V
C6667	1-126-933-11	ELECT	100UF	20.00%	16V	C6837	1-106-375-12	MYLAR	0.022UF	10.00%	250V
C6668	1-126-933-11	ELECT	100UF	20.00%	16V	C6840	1-137-150-11	MYLAR	0.01UF	5.00%	50V
C6669	1-136-165-00	FILM	0.1UF	5.00%		C6841	1-104-664-11	ELECT	47UF	20.00%	
C6670	1-136-165-00		0.1UF	5.00%		C6844	1-115-513-21		0.18UF	5.00%	
C6671	1-104-664-11		47UF	20.00%		C6851	1-162-131-11		220PF	10.00%	
			.=								
C6672	1-104-664-11		47UF	20.00%		C6852	1-162-129-00		150PF	10.00%	
C6677	1-136-165-00	FILM	0.1UF	5.00%		C6853	1-129-898-00	FILM	0.0022UF	5.00%	630V
C6679	1-130-495-00	MYLAR	0.1UF	5.00%	50V	C6855	1-136-205-11	MYLAR	0.022UF	10.00%	400V
C6680	1-137-150-11	MYLAR	0.01UF	5.00%	50V	C6856	1-102-030-00	CERAMIC	330PF	10.00%	500V
C6681	1-126-964-11	ELECT	10UF	20.00%	50V	C6857	1-130-785-11	MYLAR	0.47UF	10.00%	100V
C6700	1-102-129-00	CERAMIC	0.01UF	10.00%	50V	C6861	1-130-471-00	MYTAD	0.001UF	5.00%	50V
										5.00%	
C6703	1-128-527-11		330UF	20.00%		C6862	1-130-471-00	MILAK	0.001UF	5.00%	30V
C6704	1-126-968-11		100UF	20.00%							
C6705	1-128-527-11		330UF	20.00%	-		< CONNECT	'OR >			
C6706	1-137-401-11	MYLAR	0.22UF	10.00%	100V						
						CN6100	1-785-802-11		•	-	
C6707	1-129-702-00	MYLAR	0.001UF	10.00%	400V	CN6101	1-785-802-11		CTOR (WITH PW	-	
C6708	1-106-220-00	MYLAR	0.1UF	10.00%	100V	CN6102	1-785-802-11	PIN, CONNE	CTOR (WITH PW	B) 20P	
C6709	1-102-129-00	CERAMIC	0.01UF	10.00%	50V	CN6500	1-508-766-00	PIN, CONNE	CTOR (5MM PIT	CH) 4P	
C6710	1-130-785-11	MYLAR	0.47UF	10.00%	100V	CN6600	1-695-299-11	CONNECTOR,	BOARD TO BOA	RD 50P	
C6727	1-102-228-00	CERAMIC	470PF	10.00%	500V						
						CN6611	*1-785-270-12	PIN, DY CO	ONNECTOR (PC B	OARD)	
C6801	1-104-664-11	ELECT	47UF	20.00%	25V	CN6620	△ 1-508-765-00	PIN, CONNE	CTOR (5MM PIT	CH) 3P	
C6802	1-126-960-11	ELECT	1UF	20.00%	50V	CN6666	△ *1-508-786-00	PIN, CONNE	CTOR (5MM PIT	CH) 2P	
C6803	1-126-960-11	ELECT	1UF	20.00%	50V	CN6700	△ *1-691-291-11	PIN, CONNE	CTOR (PC BOAR	D) 5P	
C6804	1-102-114-00	CERAMIC	470PF	10.00%	50V						
C6805	1-102-114-00		470PF	10.00%			< DIODE >				
06000	1 102 020 00	CEDANTC	22000	10.00%	E0077	D6600	0 710 011 10	DIODE 1001	10 2EMD		
C6808	1-102-030-00		330PF			D6600	8-719-911-19				
C6809	1-102-030-00		330PF	10.00%		D6601	8-719-063-73	DIODE DINI			
C6810	1-107-368-11		0.047UF	10.00%		D6602	8-719-109-89		J-T-77-5.6B		
C6811	1-107-368-11		0.047UF	10.00%		D6603	8-719-911-19	DIODE 1SS1			
C6812	1-162-131-11	CERAMIC	220PF	10.00%	2KV	D6604	8-719-510-53	DIODE D4SE	360L-F		
C6813	1-162-134-11	CERAMIC	470PF	10.00%	2KV	D6605	8-719-991-33	DIODE 1SS1	.33T-77		
C6816	1-130-471-00	MYLAR	0.001UF	5.00%		D6610	8-719-063-73	DIODE D1NI	20U-TR		
C6817	1-125-893-11		680PF	3.00%		D6613	8-719-911-19	DIODE 1SS1			
C6818	1-125-893-11		680PF	3.00%		D6615	8-719-911-19	DIODE 1331			
C6819	1-125-893-11	t Tria	680PF	3.00%	VAC.1	D6616	8-719-510-12	DIODE D10S	1-M40		
C6820	1-125-893-11	FILM	680PF	3.00%	1.5KV	D6617	8-719-500-71	DIODE D8LC	240F		
C6824	1-107-846-11	FILM	0.1UF	5.00%	250V	D6618	8-719-079-50	DIODE RBV-	-402L		
C6827	1-107-846-11	FILM	0.1UF	5.00%	250V	D6619	8-719-510-12	DIODE D109	C4M-F		
C6828	1-127-681-11	FILM MELF	10000PF	2%	100V	D6621	8-719-991-33	DIODE 1SS1	.33T-77		
C6829	1-127-680-11		4700PF	2%	100V	D6622	8-719-991-33	DIODE 1SS1			
		בו בייה	47UF	20.00%	250V	D6623	8-719-911-19	DIODE 1SS1	19-25TD		
C6830 C6831	1-107-655-11 1-102-228-00		470PF	10.00%		D6624	8-719-991-33				

The components identified by shading and marked \triangle are critical for safety Replace only with the part number specified.



REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
D6625	8-719-991-33	DIODE 1SS133T-77		IC6801	8-759-103-93	IC LM393P	
D6626	8-719-991-33	DIODE 1SS133T-77					
D6627	8-719-982-27	DIODE MTZJ-T-77-33C			< COIL >		
D6628		DIODE MTZJ-T-77-6.8					
D6629		DIODE 1SS133T-77		L6604	1-412-525-31	INDUCTOR	10UH
20023	0 723 332 33	21022 1001001 77		L6605	1-412-523-41		6.8UH
D6630	8-719-991-33	DIODE 1SS133T-77		L6606	1-412-525-31		10UH
D6631		DIODE 1SS133T-77		L6651	1-414-183-41		10UH
D6651		DIODE ERC04-06SE		L6700	1-412-524-11		8.2UH
D6653		DIODE D1NL20U-TR		10700	1 412 324 11	INDOCTOR	0.2011
D6654		DIODE P6KE200AG23		L6801	1-412-519-11	TMINITICTION	3.3UH
D0034	0-719-039-23	DIODE FOREZOONG25		L6802	1-412-519-11		3.3UH
D6655	0 710 070 64	DIODE UF4005PKG23		L6803	1-412-519-11		47UH
D6656		DIODE D1NL20U-TR		L6805	1-408-947-00		2.2MH
D6658		DIODE ERC04-06SE		L6806	1-535-143-61	LEAD, JUMPER	(5.UMM)
D6659		DIODE D1NL20U-TR			4 444 445 44		4 4
D6676	8-719-991-33	DIODE 1SS133T-77		L6807	1-410-397-21		1.1UH
				L6851	1-535-143-61	LEAD, JUMPER	(5.0MM)
D6677		DIODE MTZJ-T-77-4.7B					
D6678		DIODE MTZJ-T-77-4.7B			< FILTER	>	
D6679	8-719-991-33	DIODE 1SS133T-77					
D6681	8-719-991-33	DIODE 1SS133T-77		LF6603	1-406-659-11	INDUCTOR	10UH
D6700	8-719-200-02	DIODE ERA15-02TP1		LF6604	1-406-659-11	INDUCTOR	10UH
				LF6801	1-406-985-11	INDUCTOR	2.2MH
D6701	8-719-110-41	DIODE MTZJ-T-77-15B		LF6851	1-406-674-11	INDUCTOR	3.3MH
D6803	8-719-920-35	DIODE ERA15-02TP1					
D6804	1-535-143-11	LEAD, JUMPER (10.0MM)			< IC LINE	: >	
D6805	8-719-302-43	DIODE RGP10GPKG23					
D6806	8-719-979-85	DIODE RGP15GPKG23		PS6601 A	1-801-550-21	PROTECTOR, MOD	ULE 2.5A MP250
				PS6602 A	1-801-550-21	PROTECTOR, MOD	ULE 2.5A MP250
D6807	8-719-510-73	DIODE S3L20UF4		PS6603 A	1-801-549-21	PROTECTOR, MOD	ULE 4.0A MP250
D6808	8-719-510-73	DIODE S3L20UF4		PS6604 A	1-801-550-21	PROTECTOR, MOD	ULE 2.5A MP250
D6809	8-719-991-33	DIODE 1SS133T-77					
D6810	1-247-895-91	CARBON 470K 5%	1/4W		< TRANSIS	TOR >	
D6811	8-719-110-41	DIODE MTZJ-T-77-15B	•				
				Q6600	8-729-046-47	TRANSISTOR KSC	2500-BTA
D6851	8-719-970-87	DIODE ERA38-06TP1		Q6602		TRANSISTOR 2SA	
D6852		DIODE ERA38-06TP1		Q6603		TRANSISTOR 2SC	
20002	0 123 370 01	21022 21100 10112		Q6605		TRANSISTOR KSC	
	< FERRITE	READ >		06606		TRANSISTOR DTA	
	121111212			2000	0 723 023 30	11411010101 2111	
FB6602	1-410-396-41	FERRITE 0.45UH		Q6607	8-729-119-78	TRANSISTOR 2SC	1740S-RT
FB6603	1-410-396-41			Q6608		TRANSISTOR DTC	
100003	1-410-390-41	FERRITE 0.430fi		-		TRANSISTOR DTC	
	/ TC \			Q6611			
	< IC >			Q6651		TRANSISTOR 2SA	
TOCCOO	1 010 051 11	DOUBL MODULE DW 40		Q6652	8-729-029-86	TRANSISTOR DTC	124ESA-TP
IC6600		POWER MODULE DM-48		00005	0 700 000 00	#P334070707	00010 DM
IC6604		TRANSISTOR MX0842A-F		Q6667		TRANSISTOR 2SA	
IC6651	8-759-468-89			Q6676		TRANSISTOR 2SC	
IC6652	8-759-394-35			Q6677		TRANSISTOR 2SC	
IC6653	8-759-574-77	IC KA78R09-YDTU		Q6678		TRANSISTOR 2SC	
				Q6679	8-729-026-39	TRANSISTOR 2SA	933AS-RT
IC6654	8-759-574-76	IC KA78R05-SYDTU					
IC6667	8-759-908-15	IC TL431CZ		Q6680	8-729-029-66	TRANSISTOR DTC	114ESA-TP
IC6676	8-759-908-15	IC TL431CZ		Q6681	8-729-029-66	TRANSISTOR DTC	114ESA-TP
IC6700	8-759-192-71	IC STV9379		Q6700	8-729-039-68	TRANSISTOR IRF	620



REF. NO.	PART.NO	DESCRIPTION	V		REMARK	REF. NO.	PART.NO	DESCRIPTION	N		REMARK
Q6801	8-729-119-80	TRANSISTOR 25	C2688-	·LK		R6648	1-249-433-11	CARBON	22K	5%	1/4W
Q6802	8-729-119-80	TRANSISTOR 25	C2688-	LK		R6649	1-215-926-00	METAL OXIDE	33K	5%	3W
Q6803	8-729-046-18	TRANSISTOR 25	C5480-	01		R6651	1-247-791-91	CARBON	22	5%	1/4W
Q6804	8-729-046-18	TRANSISTOR 25	C5480-	01		R6652	1-249-389-11	CARBON	4.7	5%	1/4W
Q6805	8-729-038-83	TRANSISTOR 25	K2251-	01-F1)	R6653	1-249-421-11	CARBON	2.2K	5%	1/4W
Q6806	8-729-047-59	TRANSISTOR ST	P5NB40	FP		R6655	1-249-429-11	CARBON	10K	5%	1/4W
Q6807	8-729-030-02	TRANSISTOR D	C144ES	A-TP		R6656 △	1-218-265-11	METAL	8.2M	5%	1W
Q6851	8-729-043-95	TRANSISTOR 25	C3840K			R6657	1-215-421-00	METAL	1K	1%	1/4W
						R6666	1-202-933-61	FUSIBLE	0.1	10%	1/2W
	< RESISTO	OR >				R6667	1-215-441-00	METAL	6.8K	1%	1/4W
R6601	△ 1-202-968-11	CEMENTED	1.2	5%	10W	R6668	1-249-428-11	CARBON	8.2K	5%	1/4W
R6602	1-249-433-11	CARBON	22K	5%	1/4W	R6669	1-249-413-11	CARBON	470	5%	1/4W
R6603	1-249-430-11	CARBON	12K	5%	1/4W	R6676	1-249-417-11	CARBON	1K	5%	1/4W
R6604	1-249-421-11	CARBON	2.2K	5%	1/4W	R6677	1-249-417-11	CARBON	1K	5%	1/4W
R6605	1-249-417-11	CARBON	1K	5%	1/4W	R6678	1-249-417-11	CARBON	1K	5%	1/4W
R6606	△ 1-202-968-11		1.2	5%	10W	R6679	1-215-479-00		270K		1/4W
R6608	△ 1-220-797-11		0.47	5%	10W	R6681	1-215-467-00	METAL	82K	1%	1/4W
R6611	1-260-125-11		150K	5%	1/2W	R6682	1-215-447-00		12K	1%	1/4W
R6612	1-260-125-11		150K		1/2W	R6683	1-215-429-00		2.2K		1/4W
R6613	1-216-369-00	METAL OXIDE	1	5%	2W	R6684	1-247-807-31	CARBON	100	5%	1/4W
R6614	1-260-125-11	CARBON	150K	5%	1/2W	R6685	1-249-417-11	CARBON	1K	5%	1/4W
R6615	1-260-125-11	CARBON	150K	5%	1/2W	R6686	1-215-449-00	METAL	15K	1%	1/4W
R6616	1-216-369-00	METAL OXIDE	1	5%	2W	R6687	1-249-431-11	CARBON	15K	5%	1/4W
R6619	1-249-425-11	CARBON	4.7K	5%	1/4W	R6688	1-249-417-11	CARBON	1K	5%	1/4W
R6620	1-249-443-11	CARBON	0.47	5%	1/4W	R6689	1-247-843-11	CARBON	3.3K	5%	1/4W
R6624	1-249-425-11		4.7K		1/4W	R6690	1-249-429-11		10K	5%	1/4W
R6625	1-249-429-11	CARBON	10K	5%	1/4W	R6691	1-215-446-00	METAL	11K	1%	1/4W
R6626	1-247-807-31		100	5%	1/4W	R6692	1-215-445-00		10K	1%	1/4W
R6627	1-249-429-11		10K	5%	1/4W	R6700	1-215-441-00	METAL	6.8K		1/4W
R6628	1-260-129-11	CARBON	330K	5%	1/2W	R6701	1-215-437-00	METAL	4.7K	1%	1/4W
R6629	1-260-129-11		330K		1/2W	R6702	1-215-441-00		6.8K		1/4W
R6630	1-249-417-11		1K	5 %	1/4W	R6703	1-215-437-00		4.7K		1/4W
R6631	1-249-425-11		4.7K		1/4W	R6704	1-249-383-11		1.5	5%	1/4W
R6632	1-207-905-00		0.27		2W	R6705	1-247-791-91		22	5 %	1/4W
R6633	1-249-429-11	CARBON	10K	5%	1/4W	R6706	1-249-389-11	CARBON	4.7	5%	1/4W
R6635		LEAD, JUMPER	•	•	1/4	R6707	1-215-888-00		220	5%	2W
R6637	1-249-421-11		2.2K		1/4W	R6708	1-214-798-21		1.8	1%	1/2W
R6638	1-247-895-91		470K		1/4W	R6709	1-214-798-21		1.8	1% ••	1/2W
R6639	1-249-416-11		820	5% 5 0	1/4W	R6710	1-247-843-11		3.3K		1/4W
R6640	1-249-417-11	CARBON	1K	5%	1/4W	R6711	1-249-418-11	CARBON	1.2K	5*	1/4W
R6641	1-260-127-11		220K	5% = °	1/2W	R6801	1-215-440-00		6.2K		1/4W
R6642	1-249-389-11		4.7 1v	5% ⊑∘	1/4W	R6802	1-214-915-00		120K		1/2W
R6643	1-249-417-11		1K	5% .	1/4W	R6803	1-249-421-11		2.2K		1/4W
R6644	1-249-429-11		10K	5% E 0.	1/4W	R6804	1-249-408-11		180	5% €0.	1/4W
R6645	1-260-131-11	CAKBON	470K	38	1/2W	R6805	1-249-408-11	CARBON	180	5%	1/4W
					4 / 400	1					
R6646 R6647	1-249-429-11 1-249-410-11		10K 270	5% 5%	1/4W 1/4W	R6806 R6807	1-249-411-11 1-249-411-11		330 330	5% 5%	1/4W 1/4W

The components identified by shading and marked ⚠ are critical for safety Replace only with the part number specified.





REF. NO.	PART.NO	DESCRIPTIO	N	REMARK	REF. NO.	PART.NO	DESCRIPTION	ON	REMARK
R6808	1-260-340-11	CARBON	10K 5%	1/2W		< TRANSF	ORMER >		
R6809	1-260-340-11	CARBON	10K 5%	1/2W					
R6811	1-216-461-00	METAL OXIDE	5.6K 5%	2W	T6600 🛮	1-431-616-11	TRANSFORMER	, CONVERTER	
R6812	1-215-895-11	METAL OXIDE	3.3K 5%	2W	T6601 🛮 🗹	1-433-516-11	TRANSFORMER	, CONVERTER	(PIT)
R6813	1-215-920-11	METAL OXIDE	3.3K 5%	3W	T6651	1-431-732-21	TRANSFORMER	, CONVERTER	(SRT)
					T6801	1-433-489-31	TRANSFORMER	, FERRITE (H	DT)
R6814	1-215-880-00	METAL OXIDE	10 5%	2W	T6802	1-433-489-31	TRANSFORMER	, FERRITE (H	DT)
R6815	1-215-880-00		10 5%						
R6816		METAL OXIDE	0.22 5%					•	CK (NX4522//U214)
R6817	1-216-361-00		0.22 5%		T6852	1-433-487-11	TRANSFORMER	, FERRITE (D	FT)
R6818	1-249-405-11	CARBON	100 5%	1/4W					
- 404 0			444	4 / 400		< THERMI	STOR >		
R6819	1-247-807-31		100 5%	1/4W					
R6820		LEAD, JUMPER				1-809-827-11		POSITIVE	
R6821		LEAD, JUMPER		1 /0	TH6700	1-800-193-00	THERMISTOR		
R6831	1-260-124-11		120K 5%	•					
R6832	1-216-434-11	METAL OXIDE	1.8K 5%	1W	D Boa	rd Variant Pa	arts KV-28F	X65	
R6833	1-202-972-61	FUSIBLE	1 5%	1/4W		< CAPACI	TOR >		
R6834	1-535-143-21	LEAD, JUMPER	(12.5MM)			CALACI			
R6835	1-260-288-11	CARBON	0.47 5%	1/2W	C6652	1-107-678-11	ELECT	4.7UF	20.00% 450V
R6837	1-215-919-11	METAL OXIDE	2.2K 5%	3W	C6682		LEAD, JUMPER		20.000
R6838	1-214-905-11	METAL	47K 1%	1/2W	C6814	1-117-641-11		7500PF	3.00% 1.2KV
					C6815		FILM		3.00% 1.5KV
R6839	1-215-919-11	METAL OXIDE	2.2K 5%	3W	C6825	1-115-514-11		0.22UF	5.00% 250V
R6840	1-247-843-11	CARBON	3.3K 5%	1/4W	33323				
R6842	1-260-123-11	CARBON	100K 5%	1/2W	C6826	1-115-520-11	FILM	0.68UF	5.00% 250V
R6843	1-249-429-11	CARBON	10K 5%	1/4W					
R6844	1-249-441-11	CARBON	100K 5%	1/4W		< DIODE :	>		
R6845	1-249-433-11	CARBON	22K 5%	1/4W	D6652	0_710_022_70	DIODE MTZJ-	T_77_10	
R6851	1-260-123-11	CARBON	100K 5%		D0032	0-719-923-70	DIODE MIZO-	1-11-12	
R6852	1-260-123-11	CARBON	100K 5%	1/2W		< RESIST	ר פר		
R6853	1-260-123-11	CARBON	100K 5%	1/2W		< KE3131	VK /		
R6854	1-249-417-11	CARBON	1K 5%	1/4W	R6810	1-215-020-11	METAL OXIDE	3 3K 5%	3W
					R6836	1-249-432-11		18K 5%	1/4W
R6880	1-215-436-00	METAL	4.3K 1%	1/4W	R6856		METAL OXIDE		3W
R6885	1-215-493-00	METAL	1M 1%	1/4W	R6857		METAL OXIDE		3W
R6886	1-215-477-00	METAL	220K 1%	1/4W	R6858		METAL OXIDE		3W
R6887	1-215-461-00	METAL	47K 1%	1/4W	1.0000			0.2	5 11
R6888	1-249-441-11	CARBON	100K 5%	1/4W	R6859	1-216-486-00	METAL OXIDE	8.2K 5%	3W
					R6897	1-215-485-00		470K 1%	
R6891	1-535-143-61	LEAD, JUMPER	(5.0MM)						-,
R6892	1-535-143-61	LEAD, JUMPER	(5.0MM)		D Rea	rd Variant Pa	rto KV 22E	V65	
R6895	1-249-443-11	CARBON	0.47 5%	1/4W	D Б0а	ru variant Pa	irts NV-32F	COV	
R6896	1-249-443-11	CARBON	0.47 5%	1/4W		4 (ADACTI	TOD \		
R6898	1-215-493-00	METAL	1M 1%	1/4W		< CAPACI	rok >		
R6899	1-215-493-00	METAL	1M 1%	1/4W	C6652	1-107-679-91	ELECT	10UF	20.00% 450V
-	**			•				-	FX65B/32FX65E/32FX65K)
	< RELAY >	>				1-107-678-11	ELECT	4.7UF	20.00% 450V
									(KV-32FX65U)
RY6601 /	1-755-266-11	RELAY, AC PO	WER		C6682	1-107-679-91	ELECT	10UF	20.00% 450V
	1-755-167-11							-	FX65B/32FX65E/32FX65K)
						1-535-143-61	LEAD, JUMPER	(5.0MM)	(KV-32FX65U)
					i .				



	PART.NO	DESCRIPTION	V	KL	MARK	REF. NO.	PART.NO	DESCRIPTIO	N	REI	MARK
C6814	1-117-640-11	FILM	6800PF	3.00%	1.2KV	C6121	1-126-964-11	ELECT	10UF	20.00%	50V
C6815	1-117-835-11	FILM	6200PF	3.00%	1.5KV	C6122	1-126-967-11	ELECT	47UF	20.00%	50V
C6825	1-117-662-11	FILM	0.18UF	5.00%	250V	C6125	1-163-017-00	CERAMIC CHIP	0.0047UF	10.00%	
C6826	1-115-519-11		0.56UF		250V	C6126	1-163-809-11	CERAMIC CHIP	0.047UF	10.00%	
,,,,,			0.0002	0.000	2001	C6127		CERAMIC CHIP		10.00%	
	< DIODE >	•				C0127	1 103 021 71	CERTAIN CHII	0.0101	10.000	301
						C6128	1-163-017-00	CERAMIC CHIP	0.0047UF	10.00%	50V
06652	8-719-923-79	DIODE MTZJ-T-	-77-12A			C6129	1-164-004-11			10.00%	
	0 120 020 10			2FX65B/32	FX65E/32FX65K)	C6131	1-126-964-11		10UF	20.00%	
	8-710-023-78	DIODE MTZJ-T-	•	(KV-32F	•	C6132	1-163-259-91			5.00%	
	0 113 323 10	DIODE MIZO I	11 12	(INV JZE	A030)	C6199		CERAMIC CHIP		5.00%	
	< RESISTO	R >				C0133	1 103 223 11	CENTAMIC CHIF	1211	3.000	301
						C6207	1-126-967-11	ELECT	47UF	20.00%	50V
R6810	1-215-484-00	METAL OXIDE	3.9K 5%	3W		C6208	1-126-967-11	ELECT	47UF	20.00%	50V
R6836	1-249-431-11	CARBON	15K 5%	1/4W		C6210	1-163-009-11	CERAMIC CHIP	0.001UF	10.00%	50V
R6856	1-216-485-00	METAL OXIDE	5.6K 5%	3W		C6250	1-104-664-11	ELECT	47UF	20.00%	16V
R6857	1-216-485-00	METAL OXIDE	5.6K 5%	3W		C6253	1-115-339-11	CERAMIC CHIP	0.1UF	10.00%	50V
16858	1-216-485-00	METAL OXIDE	5.6K 5%	3W							
						C6254	1-136-177-00	FILM	1UF	5.00%	50V
R6859	1-216-485-00	METAL OXIDE	5.6K 5%	3W		C6255	1-136-177-00	FILM	1UF	5.00%	50V
16897	1-215-489-00	METAL	680K 1%	1/4W		C6256	1-163-251-11	CERAMIC CHIP	100PF	5.00%	50V
				•		C6257	1-115-339-11	CERAMIC CHIP	0.1UF	10.00%	50V
*A 16	40-382-A С	01 Board, Co	mploto			C6258		CERAMIC CHIP		5.00%	
A-10		V воага, СС (V-28FX65)	Jinpiete								
	\-					C6259	1-110-501-11	CERAMIC CHIP	0.33UF	10.00%	16V
*A-16	40-322-A C	1 Board, Co	omplete			C0233					
*A-16		01 Board, Co XV-32FX65B		E/32FX6	65K)	C6260	1-104-664-11	ELECT	47UF	20.00%	16V
	(K	01 Board, Co (V-32FX65B <i>)</i> 01 Board, Co	/32FX65E	E/32FX6	55K)					20.00% 10.00%	
	(K 40-385-A D	V-32FX65B	/32FX65E omplete	E/32FX6	55K)	C6260	1-104-664-11	CERAMIC CHIP			50V
	(K 40-385-A D	(V-32FX65B <i>)</i> 01 Board, Co	/32FX65E omplete	E/32FX6	65K)	C6260 C6261	1-104-664-11 1-115-339-11 1-136-165-00	CERAMIC CHIP	0.1UF 0.1UF	10.00%	50V 50V
*A-164	(K 40-385-A C (K	(V-32FX65B <i>i</i> 01 Board, Co (V-32FX65U)	/32FX65E omplete	E/32FX6	65K)	C6260 C6261 C6262	1-104-664-11 1-115-339-11 1-136-165-00	CERAMIC CHIP	0.1UF 0.1UF	10.00% 5.00%	50V 50V
*A-164	(K 40-385-A D	(V-32FX65B <i>i</i> 01 Board, Co (V-32FX65U)	/32FX65E omplete	E/32FX6	55K)	C6260 C6261 C6262	1-104-664-11 1-115-339-11 1-136-165-00	CERAMIC CHIP FILM CERAMIC CHIP	0.1UF 0.1UF	10.00% 5.00%	50V 50V 50V
*A-164	(K 40-385-A E (K pard, Common	(V-32FX65B) 1 Board, Co (V-32FX65U) 1 Parts	/32FX65E omplete)		55K)	C6260 C6261 C6262 C6263	1-104-664-11 1-115-339-11 1-136-165-00 1-163-109-00	CERAMIC CHIP FILM CERAMIC CHIP ELECT	0.1UF 0.1UF 47PF	10.00% 5.00% 5.00%	50V 50V 50V
*A-164	(K 40-385-A E (K pard, Common	(V-32FX65B <i>i</i> 01 Board, Co (V-32FX65U)	/32FX65E omplete)		55K)	C6260 C6261 C6262 C6263	1-104-664-11 1-115-339-11 1-136-165-00 1-163-109-00 1-126-964-11	CERAMIC CHIP FILM CERAMIC CHIP ELECT ELECT	0.1UF 0.1UF 47PF 10UF	10.00% 5.00% 5.00% 20.00%	50V 50V 50V 50V 50V
*A-164	(K 40-385-A E (K eard, Common 4-382-854-11	XV-32FX65B, D1 Board, Co XV-32FX65U, n Parts SCREW (M3X10)	/32FX65E omplete)		55K)	C6260 C6261 C6262 C6263 C6264 C6306 C6307	1-104-664-11 1-115-339-11 1-136-165-00 1-163-109-00 1-126-964-11 1-126-964-11 1-163-021-91	CERAMIC CHIP FILM CERAMIC CHIP ELECT ELECT CERAMIC CHIP	0.1UF 0.1UF 47PF 10UF 10UF 0.01UF	10.00% 5.00% 5.00% 20.00%	50V 50V 50V 50V 50V 50V
*A-164	(K 40-385-A E (K pard, Common	XV-32FX65B, D1 Board, Co XV-32FX65U, n Parts SCREW (M3X10)	/32FX65E omplete)		55K)	C6260 C6261 C6262 C6263 C6264 C6306	1-104-664-11 1-115-339-11 1-136-165-00 1-163-109-00 1-126-964-11 1-126-964-11 1-163-021-91	CERAMIC CHIP FILM CERAMIC CHIP ELECT ELECT CERAMIC CHIP CERAMIC CHIP	0.1UF 0.1UF 47PF 10UF 10UF 0.01UF	10.00% 5.00% 5.00% 20.00% 20.00% 10.00%	50V 50V 50V 50V 50V 50V 25V
*A-16	(K 40-385-A E (K pard, Common 4-382-854-11 < CAPACIT	XV-32FX65B/ D1 Board, Co XV-32FX65U/ D1 Parts SCREW (M3X10)	/32FX65E pmplete)	+)		C6260 C6261 C6262 C6263 C6264 C6306 C6307 C6350	1-104-664-11 1-115-339-11 1-136-165-00 1-163-109-00 1-126-964-11 1-126-964-11 1-163-021-91 1-164-004-11	CERAMIC CHIP FILM CERAMIC CHIP ELECT ELECT CERAMIC CHIP CERAMIC CHIP	0.1UF 0.1UF 47PF 10UF 10UF 0.01UF 0.1UF	10.00% 5.00% 5.00% 20.00% 20.00% 10.00%	50V 50V 50V 50V 50V 50V 25V
*A-164 D1 Bo	4-382-854-11 < CAPACIT 1-136-165-00	XV-32FX65B, D1 Board, Co XV-32FX65U, D1 Parts SCREW (M3X10) DOR > FILM	/32FX65E pmplete) , P, SW (- 0.1UF	5.00%	50V	C6260 C6261 C6262 C6263 C6264 C6306 C6307 C6350	1-104-664-11 1-115-339-11 1-136-165-00 1-163-109-00 1-126-964-11 1-126-964-11 1-163-021-91 1-164-004-11	CERAMIC CHIP FILM CERAMIC CHIP ELECT ELECT CERAMIC CHIP CERAMIC CHIP ELECT	0.1UF 0.1UF 47PF 10UF 10UF 0.01UF 0.1UF 47UF	10.00% 5.00% 5.00% 20.00% 20.00% 10.00%	50V 50V 50V 50V 50V 50V 50V 25V 50V
*A-164 D1 Bc	4-382-854-11 < CAPACIT 1-136-165-00 1-136-165-00	CV-32FX65B, D1 Board, Co CV-32FX65U, D1 Parts SCREW (M3X10) DOR > FILM FILM	/32FX65E pmplete) , P, SW (- 0.1UF 0.1UF	5.00% 5.00%	50V 50V	C6260 C6261 C6262 C6263 C6264 C6306 C6307 C6350 C6351	1-104-664-11 1-115-339-11 1-136-165-00 1-163-109-00 1-126-964-11 1-126-964-11 1-163-021-91 1-164-004-11 1-126-967-11	CERAMIC CHIP FILM CERAMIC CHIP ELECT ELECT CERAMIC CHIP CERAMIC CHIP ELECT CERAMIC CHIP	0.1UF 0.1UF 47PF 10UF 10UF 0.01UF 0.1UF 47UF	10.00% 5.00% 5.00% 20.00% 20.00% 10.00% 20.00%	50V 50V 50V 50V 50V 50V 25V 50V
*A-164 D1 Bc	4-382-854-11 < CAPACIT 1-136-165-00 1-136-165-00 1-136-165-00	CV-32FX65B, D1 Board, Co CV-32FX65U, D1 Parts SCREW (M3X10) COR > FILM FILM FILM	O.1UF O.1UF O.1UF	5.00% 5.00% 5.00%	50V 50V 50V	C6260 C6261 C6262 C6263 C6264 C6306 C6307 C6350 C6351	1-104-664-11 1-115-339-11 1-136-165-00 1-163-109-00 1-126-964-11 1-126-964-11 1-163-021-91 1-164-004-11 1-126-967-11 1-115-339-11	CERAMIC CHIP FILM CERAMIC CHIP ELECT ELECT CERAMIC CHIP CERAMIC CHIP ELECT CERAMIC CHIP FILM	0.1UF 0.1UF 47PF 10UF 10UF 0.01UF 0.1UF 47UF 0.1UF 0.033UF	10.00% 5.00% 5.00% 20.00% 20.00% 10.00% 20.00%	50V 50V 50V 50V 50V 50V 25V 50V 50V
*A-164 D1 Bc	(K40-385-A	AV-32FX65B/ D1 Board, Co EV-32FX65U/ D1 Parts SCREW (M3X10) OR > FILM FILM FILM CERAMIC CHIP	0.1UF 0.1UF 0.001UF	5.00% 5.00% 5.00% 5.00%	50V 50V 50V 50V	C6260 C6261 C6262 C6263 C6264 C6306 C6307 C6350 C6351	1-104-664-11 1-115-339-11 1-136-165-00 1-163-109-00 1-126-964-11 1-126-964-11 1-163-021-91 1-164-004-11 1-126-967-11 1-115-339-11 1-136-159-00	CERAMIC CHIP FILM CERAMIC CHIP ELECT CERAMIC CHIP CERAMIC CHIP ELECT CERAMIC CHIP FILM CERAMIC CHIP	0.1UF 0.1UF 47PF 10UF 10UF 0.01UF 0.1UF 47UF 0.1UF 0.033UF 100PF	10.00% 5.00% 5.00% 20.00% 20.00% 10.00% 20.00% 10.00% 5.00%	50V 50V 50V 50V 50V 50V 25V 50V 50V 50V 50V
*A-164 D1 Bc 6100 6101 6102 6103	(K40-385-A	CV-32FX65B, D1 Board, Co CV-32FX65U, D1 Parts SCREW (M3X10) COR > FILM FILM FILM	0.1UF 0.1UF 0.001UF	5.00% 5.00% 5.00%	50V 50V 50V 50V	C6260 C6261 C6262 C6263 C6264 C6306 C6307 C6350 C6351	1-104-664-11 1-115-339-11 1-136-165-00 1-163-109-00 1-126-964-11 1-126-964-11 1-163-021-91 1-164-004-11 1-126-967-11 1-115-339-11 1-136-159-00 1-163-251-11	CERAMIC CHIP FILM CERAMIC CHIP ELECT CERAMIC CHIP CERAMIC CHIP ELECT CERAMIC CHIP FILM CERAMIC CHIP FILM CERAMIC CHIP	0.1UF 0.1UF 47PF 10UF 10UF 0.01UF 0.1UF 47UF 0.1UF 0.033UF 100PF	10.00% 5.00% 5.00% 20.00% 10.00% 10.00% 20.00% 5.00%	50V 50V 50V 50V 50V 50V 25V 50V 50V 50V 50V 25V
*A-164 D1 Bc	(K40-385-A	CV-32FX65B/ D1 Board, Co CV-32FX65U/ D1 Parts SCREW (M3X10) COR > FILM FILM FILM CERAMIC CHIP CERAMIC CHIP	0.1UF 0.1UF 0.001UF	5.00% 5.00% 5.00% 5.00%	50V 50V 50V 50V 50V	C6260 C6261 C6262 C6263 C6264 C6306 C6307 C6350 C6351	1-104-664-11 1-115-339-11 1-136-165-00 1-163-109-00 1-126-964-11 1-126-964-11 1-163-021-91 1-164-004-11 1-126-967-11 1-115-339-11 1-136-159-00 1-163-251-11 1-163-809-11	CERAMIC CHIP FILM CERAMIC CHIP ELECT CERAMIC CHIP CERAMIC CHIP ELECT CERAMIC CHIP FILM CERAMIC CHIP FILM CERAMIC CHIP	0.1UF 0.1UF 47PF 10UF 10UF 0.01UF 0.1UF 47UF 0.1UF 0.033UF 100PF 0.047UF	10.00% 5.00% 5.00% 20.00% 10.00% 10.00% 20.00% 10.00% 5.00% 10.00%	50V 50V 50V 50V 50V 50V 25V 50V 50V 50V 50V 25V
*A-166 D1 Bc C6100 C6101 C6102 C6103 C6104 C6105	4-385-A (K 40-385-A (K 40-385-A) (K 4-382-854-11 < CAPACIT 1-136-165-00 1-136-165-00 1-136-165-00 1-163-205-00 1-163-205-00 1-126-967-11	CV-32FX65B/ D1 Board, Co CV-32FX65U/ D1 Parts SCREW (M3X10) FILM FILM FILM FILM CERAMIC CHIP CERAMIC CHIP	0.1UF 0.1UF 0.001UF 47UF	5.00% 5.00% 5.00% 5.00% 5.00%	50V 50V 50V 50V 50V	C6260 C6261 C6262 C6263 C6264 C6306 C6307 C6350 C6351	1-104-664-11 1-115-339-11 1-136-165-00 1-163-109-00 1-126-964-11 1-126-964-11 1-163-021-91 1-164-004-11 1-126-967-11 1-115-339-11 1-136-159-00 1-163-251-11 1-163-809-11	CERAMIC CHIP FILM CERAMIC CHIP ELECT ELECT CERAMIC CHIP ELECT CERAMIC CHIP ELECT CERAMIC CHIP FILM CERAMIC CHIP FILM CERAMIC CHIP FILM	0.1UF 0.1UF 47PF 10UF 10UF 0.01UF 0.1UF 47UF 0.1UF 0.033UF 100PF 0.047UF 0.1UF	10.00% 5.00% 5.00% 20.00% 10.00% 10.00% 20.00% 10.00% 5.00% 10.00%	50V 50V 50V 50V 50V 50V 25V 50V 50V 50V 50V 50V
*A-164 D1 Bc 66100 66101 66102 66103 66104 66105 66106	4-385-A CAPACIT 1-136-165-00 1-136-165-00 1-136-205-00 1-163-205-00 1-126-967-11 1-163-133-00	CV-32FX65B) I Board, Co CV-32FX65U) I Parts SCREW (M3X10) IOR > FILM FILM CERAMIC CHIP CERAMIC CHIP ELECT CERAMIC CHIP	0.1UF 0.1UF 0.1UF 0.001UF 0.001UF 47UF 47UF 470PF	5.00% 5.00% 5.00% 5.00% 5.00% 5.00%	50V 50V 50V 50V 50V 50V	C6260 C6261 C6262 C6263 C6264 C6306 C6307 C6350 C6351 C6353 C6354 C6355 C6356 C6357	1-104-664-11 1-115-339-11 1-136-165-00 1-163-109-00 1-126-964-11 1-126-964-11 1-163-021-91 1-164-004-11 1-126-967-11 1-115-339-11 1-136-159-00 1-163-251-11 1-163-809-11 1-136-165-00	CERAMIC CHIP FILM CERAMIC CHIP ELECT CERAMIC CHIP CERAMIC CHIP ELECT CERAMIC CHIP FILM CERAMIC CHIP	0.1UF 0.1UF 47PF 10UF 10UF 0.01UF 0.1UF 47UF 0.1UF 0.033UF 100PF 0.047UF 0.1UF	10.00% 5.00% 5.00% 20.00% 10.00% 10.00% 20.00% 10.00% 5.00% 5.00%	50V 50V 50V 50V 50V 50V 25V 50V 50V 50V 25V 50V
*A-164 D1 Bc 66100 66101 66102 66103 66104 66105 66106 66108	4-385-A C (K 40-385-A C (K 40-385-A C (K 40-385-A C (K 4-382-854-11 < CAPACIT 1-136-165-00 1-136-165-00 1-136-165-00 1-163-205-00 1-163-205-00 1-163-205-00 1-163-133-00 1-163-021-91	CV-32FX65B/ DI Board, Co CV-32FX65U/ DI Parts SCREW (M3X10) OR > FILM FILM FILM CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.1UF 0.1UF 0.1UF 0.001UF 0.001UF 47UF 470PF 0.01UF	5.00% 5.00% 5.00% 5.00% 5.00% 20.00% 5.00%	50V 50V 50V 50V 50V 50V	C6260 C6261 C6262 C6263 C6264 C6306 C6307 C6350 C6351 C6353 C6354 C6355 C6356 C6357	1-104-664-11 1-115-339-11 1-136-165-00 1-163-109-00 1-126-964-11 1-126-964-11 1-163-021-91 1-164-004-11 1-126-967-11 1-115-339-11 1-136-159-00 1-163-251-11 1-136-165-00 1-104-329-11	CERAMIC CHIP FILM CERAMIC CHIP ELECT CERAMIC CHIP CERAMIC CHIP ELECT CERAMIC CHIP FILM CERAMIC CHIP FILM CERAMIC CHIP FILM CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.1UF 0.1UF 47PF 10UF 10UF 0.01UF 0.1UF 47UF 0.1UF 0.033UF 100PF 0.047UF 0.1UF	10.00% 5.00% 5.00% 20.00% 10.00% 10.00% 5.00% 5.00% 10.00%	50V 50V 50V 50V 50V 50V 25V 50V 50V 50V 50V 50V 50V
*A-160 D1 Bc 66100 66101 66102 66103 66104 66105 66106 66108 66109	4-385-A C (K 40-385-A C (K 40-385-A C (K 40-385-A C (K 4-382-854-11 < CAPACIT 1-136-165-00 1-136-165-00 1-136-165-00 1-163-205-00 1-163-205-00 1-163-205-00 1-163-205-01 1-163-133-00 1-163-021-91 1-126-967-11	CV-32FX65B/ D1 Board, Co CV-32FX65U/ D1 Parts SCREW (M3X10) OR > FILM FILM FILM CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP ELECT CERAMIC CHIP ELECT	0.1UF 0.1UF 0.1UF 0.001UF 47UF 470PF 0.01UF 470PF 0.01UF 47UF	5.00% 5.00% 5.00% 5.00% 5.00% 10.00% 20.00%	50V 50V 50V 50V 50V 50V 50V	C6260 C6261 C6262 C6263 C6264 C6306 C6307 C6350 C6351 C6353 C6354 C6355 C6356 C6357	1-104-664-11 1-115-339-11 1-136-165-00 1-163-109-00 1-126-964-11 1-126-964-11 1-163-021-91 1-164-004-11 1-126-967-11 1-115-339-11 1-136-159-00 1-163-251-11 1-163-809-11 1-136-165-00 1-104-329-11 1-104-329-11	CERAMIC CHIP FILM CERAMIC CHIP ELECT CERAMIC CHIP CERAMIC CHIP ELECT CERAMIC CHIP FILM	0.1UF 0.1UF 47PF 10UF 10UF 0.01UF 0.1UF 47UF 0.1UF 0.033UF 100PF 0.047UF 0.1UF 0.1UF	10.00% 5.00% 5.00% 20.00% 20.00% 10.00% 20.00% 10.00% 5.00% 10.00% 5.00%	50V 50V 50V 50V 50V 50V 50V 50V 50V 50V
*A-160 D1 Bc 66100 66101 66102 66103 66104 66105 66106 66108 66109	4-385-A C (K 40-385-A C (K 40-385-A C (K 40-385-A C (K 4-382-854-11 < CAPACIT 1-136-165-00 1-136-165-00 1-136-165-00 1-163-205-00 1-163-205-00 1-163-205-00 1-163-133-00 1-163-021-91	CV-32FX65B/ D1 Board, Co CV-32FX65U/ D1 Parts SCREW (M3X10) OR > FILM FILM FILM CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP ELECT CERAMIC CHIP ELECT	0.1UF 0.1UF 0.1UF 0.001UF 0.001UF 47UF 470PF 0.01UF	5.00% 5.00% 5.00% 5.00% 5.00% 20.00% 5.00%	50V 50V 50V 50V 50V 50V 50V	C6260 C6261 C6262 C6263 C6264 C6306 C6307 C6350 C6351 C6353 C6354 C6355 C6356 C6357	1-104-664-11 1-115-339-11 1-136-165-00 1-163-109-00 1-126-964-11 1-126-964-11 1-163-021-91 1-164-004-11 1-126-967-11 1-115-339-11 1-136-159-00 1-163-251-11 1-163-809-11 1-136-165-00 1-104-329-11 1-104-329-11 1-104-329-11 1-107-714-11	CERAMIC CHIP FILM CERAMIC CHIP ELECT CERAMIC CHIP CERAMIC CHIP ELECT CERAMIC CHIP FILM CERAMIC CHIP CERAMIC CHIP	0.1UF 0.1UF 47PF 10UF 10UF 0.01UF 0.1UF 47UF 0.1UF 0.033UF 100PF 0.047UF 0.1UF 0.1UF	10.00% 5.00% 5.00% 20.00% 10.00% 10.00% 5.00% 5.00% 10.00% 5.00% 10.00% 20.00%	50V 50V 50V 50V 50V 50V 50V 50V 50V 50V
*A-164 D1 Bc	4-385-A (K 40-385-A (K bard, Common 4-382-854-11 < CAPACIT 1-136-165-00 1-136-165-00 1-136-165-00 1-163-205-00 1-163-205-00 1-163-205-01 1-163-133-00 1-163-021-91 1-126-967-11 1-126-967-11	CV-32FX65B/ D1 Board, Co CV-32FX65U/ D1 Parts SCREW (M3X10) OR > FILM FILM FILM CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP ELECT CERAMIC CHIP ELECT	0.1UF 0.1UF 0.001UF 0.001UF 47UF 47UF 47UF 47UF 47UF	5.00% 5.00% 5.00% 5.00% 5.00% 10.00% 20.00%	50V 50V 50V 50V 50V 50V 50V 50V	C6260 C6261 C6262 C6263 C6264 C6306 C6307 C6350 C6351 C6353 C6354 C6355 C6356 C6357 C6358 C6359 C6360 C6361 C6362	1-104-664-11 1-115-339-11 1-136-165-00 1-163-109-00 1-126-964-11 1-126-964-11 1-163-021-91 1-164-004-11 1-136-159-00 1-163-251-11 1-136-165-00 1-104-329-11 1-104-329-11 1-104-329-11 1-104-329-11 1-104-329-11 1-104-329-11 1-104-329-11 1-104-329-11 1-104-329-11 1-104-329-11 1-164-004-11 1-164-182-11	CERAMIC CHIP FILM CERAMIC CHIP ELECT ELECT CERAMIC CHIP ELECT CERAMIC CHIP FILM CERAMIC CHIP FILM CERAMIC CHIP FILM CERAMIC CHIP FILM CERAMIC CHIP ELECT CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.1UF 0.1UF 47PF 10UF 10UF 0.01UF 0.1UF 47UF 0.1UF 0.033UF 100PF 0.1UF 0.1UF 0.1UF	10.00% 5.00% 5.00% 20.00% 10.00% 10.00% 5.00% 10.00% 5.00% 10.00% 10.00% 10.00% 10.00% 10.00%	50V 50V 50V 50V 50V 50V 50V 50V 50V 50V
*A-16: D1 Bc	4-385-A (K 40-385-A (K 40-385-	CV-32FX65B/ D1 Board, Co CV-32FX65U/ D1 Parts SCREW (M3X10) COR > FILM FILM FILM CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP ELECT CERAMIC CHIP ELECT ELECT ELECT	0.1UF 0.1UF 0.001UF 0.001UF 47UF 47UF 47UF 47UF 47UF 47UF	5.00% 5.00% 5.00% 5.00% 5.00% 10.00% 20.00% 20.00%	50V 50V 50V 50V 50V 50V 50V 50V 50V	C6260 C6261 C6262 C6263 C6264 C6306 C6307 C6350 C6351 C6353 C6354 C6355 C6356 C6357 C6358 C6359 C6360 C6361 C6362	1-104-664-11 1-115-339-11 1-136-165-00 1-163-109-00 1-126-964-11 1-126-964-11 1-163-021-91 1-164-004-11 1-136-159-00 1-163-251-11 1-136-165-00 1-104-329-11 1-104-329-11 1-104-329-11 1-104-329-11 1-104-665-11	CERAMIC CHIP FILM CERAMIC CHIP ELECT CERAMIC CHIP ELECT CERAMIC CHIP ELECT CERAMIC CHIP FILM CERAMIC CHIP FILM CERAMIC CHIP CERAMIC CHIP ELECT CERAMIC CHIP CERAMIC CHIP ELECT CERAMIC CHIP ELECT CERAMIC CHIP ELECT CERAMIC CHIP	0.1UF 0.1UF 47PF 10UF 10UF 0.01UF 0.1UF 47UF 0.1UF 0.033UF 100PF 0.1UF 0.1UF 0.1UF 0.1UF 10UF 10UF	10.00% 5.00% 5.00% 20.00% 10.00% 10.00% 5.00% 10.00% 5.00% 10.00% 10.00% 10.00% 10.00% 20.00% 10.00% 20.00%	50V 50V 50V 50V 50V 50V 50V 50V 50V 50V
*A-16: D1 Bc :6100 :6101 :6102 :6103 :6104 :6108 :6109 :6110 :6112 :6113	4-385-A (K 40-385-A (K 40-385-	CV-32FX65B) I Board, Co IV-32FX65U) I Parts SCREW (M3X10) OR > FILM FILM CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP ELECT CERAMIC CHIP ELECT CERAMIC CHIP ELECT CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.1UF 0.1UF 0.001UF 0.001UF 47UF 47UF 47UF 47UF 47UF 47UF	5.00% 5.00% 5.00% 5.00% 5.00% 10.00% 20.00% 20.00%	50V 50V 50V 50V 50V 50V 50V 50V 50V 50V	C6260 C6261 C6262 C6263 C6264 C6306 C6307 C6350 C6351 C6353 C6354 C6355 C6356 C6357 C6358 C6359 C6360 C6361 C6362	1-104-664-11 1-115-339-11 1-136-165-00 1-163-109-00 1-126-964-11 1-126-964-11 1-163-021-91 1-164-004-11 1-136-159-00 1-163-251-11 1-136-165-00 1-104-329-11 1-104-329-11 1-104-329-11 1-104-329-11 1-104-329-11 1-104-329-11 1-104-329-11 1-104-329-11 1-104-329-11 1-104-329-11 1-164-004-11 1-164-182-11	CERAMIC CHIP FILM CERAMIC CHIP ELECT CERAMIC CHIP ELECT CERAMIC CHIP ELECT CERAMIC CHIP FILM CERAMIC CHIP FILM CERAMIC CHIP CERAMIC CHIP ELECT CERAMIC CHIP CERAMIC CHIP ELECT CERAMIC CHIP ELECT CERAMIC CHIP ELECT CERAMIC CHIP	0.1UF 0.1UF 47PF 10UF 10UF 0.01UF 0.1UF 47UF 0.1UF 0.033UF 100PF 0.1UF 0.1UF 0.1UF	10.00% 5.00% 5.00% 20.00% 10.00% 10.00% 5.00% 10.00% 5.00% 10.00% 10.00% 10.00% 10.00% 10.00%	50V 50V 50V 50V 50V 50V 50V 50V 50V 50V
*A-16: D1 Bc 3:6100 3:6101 3:6104 3:6105 3:6106 3:6109 3:6110 3:6112 3:6114	4-385-A CAPACIT 1-136-165-00 1-136-165-00 1-136-165-00 1-136-205-00 1-163-205-00 1-163-205-01 1-163-133-00 1-163-021-91 1-126-967-11 1-163-021-91 1-163-021-91 1-126-964-11	AV-32FX65B) I Board, Co IV-32FX65U) I Board, Co IV-32FX65U) I Parts SCREW (M3X10) IOR > FILM FILM FILM CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP ELECT CERAMIC CHIP ELECT CERAMIC CHIP ELECT CERAMIC CHIP ELECT	0.1UF 0.1UF 0.1UF 0.001UF 0.001UF 470PF 0.01UF 470PF 0.01UF 47UF 47UF 0.022UF 0.01UF 10UF	5.00% 5.00% 5.00% 5.00% 5.00% 10.00% 20.00% 10.00% 20.00%	50V 50V 50V 50V 50V 50V 50V 50V 50V 50V	C6260 C6261 C6262 C6263 C6264 C6306 C6307 C6350 C6351 C6353 C6354 C6355 C6356 C6357 C6358 C6359 C6360 C6361 C6362	1-104-664-11 1-115-339-11 1-136-165-00 1-163-109-00 1-126-964-11 1-126-964-11 1-163-021-91 1-164-004-11 1-136-159-00 1-163-251-11 1-136-165-00 1-104-329-11 1-104-329-11 1-104-329-11 1-104-329-11 1-104-665-11	CERAMIC CHIP FILM CERAMIC CHIP ELECT CERAMIC CHIP ELECT CERAMIC CHIP ELECT CERAMIC CHIP FILM CERAMIC CHIP ELECT CERAMIC CHIP ELECT CERAMIC CHIP	0.1UF 0.1UF 47PF 10UF 10UF 0.01UF 0.1UF 47UF 0.1UF 0.033UF 100PF 0.1UF 0.1UF 0.1UF 0.1UF 10UF 0.1UF	10.00% 5.00% 5.00% 20.00% 10.00% 10.00% 5.00% 10.00% 5.00% 10.00% 10.00% 10.00% 10.00% 20.00% 10.00% 20.00%	50V 50V 50V 50V 50V 50V 50V 50V 50V 50V
*A-16: D1 Bc 36100 36101 36104 36105 36106 36109 36110 36112 36113 36114 36115	4-385-A CAPACIT 1-136-165-00 1-136-165-00 1-136-165-00 1-136-205-00 1-163-205-00 1-163-205-00 1-163-021-91 1-126-967-11 1-163-037-11 1-163-037-11 1-163-021-91 1-126-964-11 1-163-005-11	AV-32FX65B) I Board, Co IV-32FX65U) I Board, Co IV-32FX65E) I Board, Co IV-32FX6E) I Board, Co	0.1UF 0.1UF 0.1UF 0.001UF 0.001UF 470PF 0.01UF 470PF 0.01UF 470PF 0.01UF 470F 470F 470F	5.00% 5.00% 5.00% 5.00% 5.00% 5.00% 10.00% 20.00% 10.00% 20.00% 10.00%	50V 50V 50V 50V 50V 50V 50V 50V 50V 50V	C6260 C6261 C6262 C6263 C6264 C6306 C6307 C6350 C6351 C6353 C6354 C6355 C6356 C6357 C6358 C6359 C6360 C6361 C6362 C6363 C6364	1-104-664-11 1-115-339-11 1-136-165-00 1-163-109-00 1-126-964-11 1-126-964-11 1-163-021-91 1-164-004-11 1-126-967-11 1-115-339-11 1-136-159-00 1-163-251-11 1-163-809-11 1-136-165-00 1-104-329-11 1-104-329-11 1-104-329-11 1-104-329-11 1-104-329-11 1-104-329-11 1-104-329-11 1-104-329-11 1-104-329-11 1-104-329-11 1-104-329-11	CERAMIC CHIP FILM CERAMIC CHIP ELECT CERAMIC CHIP ELECT CERAMIC CHIP ELECT CERAMIC CHIP FILM CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP ELECT CERAMIC CHIP ELECT CERAMIC CHIP ELECT CERAMIC CHIP ELECT CERAMIC CHIP	0.1UF 0.1UF 47PF 10UF 10UF 0.01UF 0.1UF 47UF 0.1UF 0.033UF 100PF 0.1UF 0.1UF 0.1UF 10UF 0.1UF 0.1UF 0.047UF 0.0033UF 100UF 0.0047UF 0.0047UF	10.00% 5.00% 5.00% 20.00% 10.00% 10.00% 5.00% 10.00% 5.00% 10.00% 10.00% 20.00% 10.00% 20.00% 10.00%	50V 50V 50V 50V 50V 50V 50V 50V 50V 50V
*A-16: D1 Bc :6100 :6101 :6102 :6103 :6104 :6108 :6109 :6110 :6112 :6113	4-385-A CAPACIT 1-136-165-00 1-136-165-00 1-136-165-00 1-136-205-00 1-163-205-00 1-163-205-00 1-163-021-91 1-126-967-11 1-163-037-11 1-163-037-11 1-163-021-91 1-126-964-11 1-163-005-11	AV-32FX65B) I Board, Co IV-32FX65U) I Board, Co IV-32FX65U) I Parts SCREW (M3X10) IOR > FILM FILM FILM CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP ELECT CERAMIC CHIP ELECT CERAMIC CHIP ELECT CERAMIC CHIP ELECT	0.1UF 0.1UF 0.1UF 0.001UF 0.001UF 470PF 0.01UF 470PF 0.01UF 470PF 0.01UF 470F 470F 470F	5.00% 5.00% 5.00% 5.00% 5.00% 10.00% 20.00% 10.00% 20.00%	50V 50V 50V 50V 50V 50V 50V 50V 50V 50V	C6260 C6261 C6262 C6263 C6264 C6306 C6307 C6350 C6351 C6353 C6354 C6355 C6356 C6357 C6358 C6359 C6360 C6361 C6362 C6363 C6364 C6365	1-104-664-11 1-115-339-11 1-136-165-00 1-163-109-00 1-126-964-11 1-126-964-11 1-163-021-91 1-164-004-11 1-126-967-11 1-115-339-11 1-136-159-00 1-163-251-11 1-163-809-11 1-104-329-11 1-104-329-11 1-104-329-11 1-104-329-11 1-104-329-11 1-104-329-11 1-104-329-11 1-104-329-11 1-164-182-11	CERAMIC CHIP FILM CERAMIC CHIP ELECT ELECT CERAMIC CHIP ELECT CERAMIC CHIP FILM CERAMIC CHIP FILM CERAMIC CHIP FILM CERAMIC CHIP ELECT CERAMIC CHIP ELECT CERAMIC CHIP ELECT CERAMIC CHIP ELECT CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.1UF 0.1UF 47PF 10UF 10UF 0.01UF 0.1UF 47UF 0.1UF 0.033UF 100PF 0.1UF 0.1UF 0.1UF 0.1UF 0.1UF 0.047UF 0.0033UF 10UF 0.007UF 0.1UF	10.00% 5.00% 5.00% 20.00% 10.00% 10.00% 5.00% 10.00% 5.00% 10.00% 10.00% 20.00% 10.00% 10.00% 10.00% 10.00% 10.00%	50V 50V 50V 50V 50V 50V 50V 50V 50V 50V
*A-16: D1 Bc 36100 36101 36104 36105 36106 36109 36110 36112 36113 36114 36115	4-385-A CAPACIT 1-136-165-00 1-136-165-00 1-136-165-00 1-136-205-00 1-163-205-00 1-163-205-01 1-163-967-11 1-163-037-11 1-163-037-11 1-163-021-91 1-126-964-11 1-163-005-11 1-163-275-11	AV-32FX65B) I Board, Co IV-32FX65U) I Board, Co IV-32FX65E) I Board, Co IV-32FX6E) I Board, Co	0.1UF 0.1UF 0.1UF 0.001UF 47UF 47UF 47UF 0.022UF 0.01UF 47UF 0.022UF 0.01UF 47UF	5.00% 5.00% 5.00% 5.00% 5.00% 5.00% 10.00% 20.00% 10.00% 20.00% 10.00%	50V 50V 50V 50V 50V 50V 50V 50V 50V 50V	C6260 C6261 C6262 C6263 C6264 C6306 C6307 C6350 C6351 C6353 C6354 C6355 C6356 C6357 C6358 C6359 C6360 C6361 C6362 C6363 C6364 C6365 C6367 C6368	1-104-664-11 1-115-339-11 1-136-165-00 1-163-109-00 1-126-964-11 1-126-964-11 1-163-021-91 1-164-004-11 1-136-159-00 1-163-251-11 1-136-165-00 1-104-329-11 1-104-329-11 1-164-004-11 1-164-182-11 1-104-665-11 1-136-347-11 1-163-809-11 1-104-329-11 1-104-329-11 1-104-329-11 1-163-021-91	CERAMIC CHIP FILM CERAMIC CHIP ELECT ELECT CERAMIC CHIP ELECT CERAMIC CHIP FILM CERAMIC CHIP FILM CERAMIC CHIP FILM CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP ELECT CERAMIC CHIP ELECT CERAMIC CHIP ELECT FILM CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.1UF 0.1UF 47PF 10UF 10UF 0.01UF 0.1UF 47UF 0.1UF 0.033UF 100PF 0.1UF 0.1UF 0.1UF 10UF 0.1UF 0.1UF 0.1UF 0.1UF 0.1UF 0.1UF	10.00% 5.00% 5.00% 20.00% 10.00% 10.00% 5.00% 10.00% 5.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00%	50V 50V 50V 50V 50V 50V 50V 50V
*A-16: D1 Bc 36100 36101 36104 36105 36104 36108 36109 36110 36112 36114 36115 36116	4-385-A CAPACIT 1-136-165-00 1-136-165-00 1-136-165-00 1-136-165-00 1-163-205-00 1-163-205-00 1-163-205-11 1-163-021-91 1-126-967-11 1-163-021-91 1-126-967-11 1-163-021-91 1-163-021-91 1-163-021-91 1-163-021-91 1-163-021-91 1-163-021-91 1-163-021-91 1-163-021-91 1-163-021-91 1-163-021-91 1-163-021-91 1-163-021-91	CV-32FX65B) I Board, Co IV-32FX65U) I Board, Co IV-32F	0.1UF 0.1UF 0.1UF 0.001UF 47UF 47UF 47UF 47UF 0.022UF 0.01UF 47UF 0.01UF 47UF 0.01UF 47UF 0.01UF	5.00% 5.00% 5.00% 5.00% 5.00% 5.00% 10.00% 20.00% 10.00% 20.00% 10.00% 5.00%	50V 50V 50V 50V 50V 50V 50V 50V 50V 50V	C6260 C6261 C6262 C6263 C6264 C6306 C6307 C6350 C6351 C6353 C6354 C6355 C6356 C6357 C6358 C6359 C6360 C6361 C6362 C6363 C6364 C6365 C6367	1-104-664-11 1-115-339-11 1-136-165-00 1-163-109-00 1-126-964-11 1-126-964-11 1-163-021-91 1-164-004-11 1-126-967-11 1-115-339-11 1-136-159-00 1-163-251-11 1-163-809-11 1-104-329-11 1-104-329-11 1-104-329-11 1-164-182-11 1-164-182-11 1-164-665-11 1-136-347-11 1-163-809-11 1-104-329-11 1-104-329-11	CERAMIC CHIP FILM CERAMIC CHIP ELECT CERAMIC CHIP ELECT CERAMIC CHIP FILM CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP ELECT CERAMIC CHIP ELECT CERAMIC CHIP ELECT FILM CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP FILM CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.1UF 0.1UF 47PF 10UF 10UF 0.01UF 0.1UF 47UF 0.1UF 0.033UF 100PF 0.1UF 0.1UF 0.1UF 0.1UF 0.1UF 0.047UF 0.0033UF 10UF 0.007UF 0.1UF	10.00% 5.00% 5.00% 20.00% 10.00% 10.00% 5.00% 10.00% 5.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00% 10.00%	50V 50V 50V 50V 50V 50V 50V 50V

The components identified by shading and marked \triangle are critical for safety Replace only with the part number specified.



REF. NO.	PART.NO	DESCRIPTIO	N	RE	MARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
C6374	1-129-716-00	FILM	0.015UF	5.00%	630V	D6402	8-719-982-03	DIODE MTZJ-T-77-3.6A	
6375	1-102-110-00	CERAMIC	220PF	10.00%	50V	D6403	8-719-921-63	DIODE MTZJ-T-77-7.5B	
376	1-104-664-11	ELECT	47UF	20.00%	16V	D6404	8-719-914-43	DIODE DAN202K-T-146	
377	1-128-551-11	ELECT	22UF	20.00%	25V	D6405	8-719-921-63	DIODE MTZJ-T-77-7.5B	
378	1-115-339-11	CERAMIC CHIP	0.1UF	10.00%	50V				
							< IC >		
6380	1-136-165-00		0.1UF	5.00%					
6381	1-126-960-11		1UF	20.00%		IC6100	8-759-450-95		
6385	1-104-664-11		47UF	20.00%		IC6101	8-759-450-95		
6386	1-104-664-11		47UF	20.00%		IC6102		IC NJM3404AD-W	
6388	1-126-964-11	ELECT	10UF	20.00%	50V	IC6103 IC6251	8-759-450-95 8-759-903-16		
389	1-126-964-11	ELECT	10UF	20.00%	50V	100231	0 737 703 10	IC IMSICI	
6392	1-104-664-11		47UF	20.00%		IC6302	8-752-072-94	IC CXA1875AM-T4	
5401	1-126-964-11	ELECT	10UF	20.00%	50V	IC6350	8-759-008-70	IC LM358N	
6402	1-107-714-11	ELECT	10UF	20.00%	50V	IC6351	8-759-450-95	IC LM393N	
6407	1-136-161-00	FILM	0.047UF	5.00%	50V	IC6352	8-759-450-95	IC LM393N	
						IC6353	8-759-231-53		
408	1-136-161-00		0.047UF	5.00%					
5409	1-126-964-11	ELECT	10UF	20.00%	50V	IC6354	8-759-325-48		
						IC6355	8-759-008-70		
	< CONNECT	OR >				IC6356	8-759-822-38	IC LA6510	
16502	*1-564-509-11	PILIG CONNEC	TOR 6P				< FILTER	>	
16600	*1-508-786-00	·		'CH) 2P			\ 11111LK	•	
16601	1-695-302-11	•	-	•		LF6350	1-406-989-21	INDUCTOR 10MH	
16622	*1-564-506-11	·				LF6351	1-406-989-21		
16633	*1-564-506-11	·							
	< DIODE >						< IC LINK	(>	
						PS6376 Z	1-532-637-00	LINK, IC 1A (ICP-N25)	
6102	8-719-914-43								
6104	8-719-914-43						< TRANSIS	TOR >	
6105	8-719-914-43								
6107		DIODE DAN202				Q6100		TRANSISTOR 2SC2412K-T-1	
5108	8-719-921-40	DIODE MTZJ-T	-77-4.7B			Q6101		TRANSISTOR 2SC2412K-T-1	
-10=	0 740 044 45	BT08= B	. m			Q6102		TRANSISTOR 2SC2412K-T-1	
6127	8-719-914-43					Q6103		TRANSISTOR 2SC2412K-T-1	
6128	8-719-914-43					Q6104	8-729-120-28	TRANSISTOR 2SC2412K-T-1	.40-K
	8-719-914-43					06105	0 700 100 00	mpanotomop 00004102 m 1	46 D
	1-535-143-61					Q6105		TRANSISTOR 2SC2412K-T-1	
5253	8-719-911-19	חוסחות 122113	-23TV			Q6106		TRANSISTOR 2SC2412K-T-1 TRANSISTOR 2SC2412K-T-1	
2054	1_505 140 61	ממטווו חגפן	/E 03/84)			Q6107		TRANSISTOR 2SC2412K-T-I	
6254 6255	1-535-143-61 8-719-914-43					Q6108		TRANSISTOR 2SA1037AK-TI	
6350						Q6110	0-123-020-49	IMANOISION ZOMIUS/AN-TI	Λ ⁻ υ•.
	8-719-914-43					Q6112	8-720-120-20	TRANSISTOR 2SC2412K-T-1	46-R
JJJI	8-719-914-43					Q6112 Q6113		TRANSISTOR 2SC2412K-T-1	
352	0-113-314-43	PIONE DWWT07	V-T-T40			Q6113 Q6118		TRANSISTOR 2SC2412K-T-1	
352						Q6118 Q6119		TRANSISTOR 2SA1037AK-TI	
	Q_710_007_07	מסגמש שחחדת	በበ// የኮው1			COTTA	0-123-020-49	TWWINDIDION TOWNOON TOWN	A-OF.
5353	8-719-987-87 8-719-914-43					-	8-720-026-40	שמדכתותס ספאום mi	46-D
3353 3354	8-719-914-43	DIODE DAN202	K-T-146			Q6120	8-729-026-49	TRANSISTOR 2SA1037AK-TI	.46-R
5353 5354 5355	8-719-914-43 8-719-914-43	DIODE DAN202 DIODE DAN202	K-T-146 K-T-146			Q6120			
	8-719-914-43 8-719-914-43 8-719-914-43	DIODE DAN202 DIODE DAN202 DIODE DAN202	K-T-146 K-T-146 K-T-146			Q6120 Q6122	8-729-026-49	TRANSISTOR 2SA1037AK-TI	46-R
5353 5354 5355	8-719-914-43 8-719-914-43 8-719-914-43	DIODE DAN202 DIODE DAN202 DIODE DAN202	K-T-146 K-T-146 K-T-146			Q6120	8-729-026-49 8-729-026-49		.46-R .46-R



REF. NO.	PART.NO	DESCRIPTION		REMARK	REF. NO.	PART.NO	DESCRIPTION	I		REMARK
Q6127	8-729-026-49	TRANSISTOR 2SA1	L037AK-T146	-R	R6123	1-216-089-11	RES-CHIP	47K	5%	1/10W
Q6128	8-729-120-28	TRANSISTOR 2SC2	2412K-T-146	-R	R6124	1-216-089-11	RES-CHIP	47K	5%	1/10W
Q6129	8-729-026-49	TRANSISTOR 2SA1	L037AK-T146	-R	R6125	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
Q6201	8-729-120-28				R6126	1-216-037-00		330	5%	1/10W
Q6202	8-729-120-28	TRANSISTOR 2SC2	2412K-T-146	-R	R6128	1-208-822-11	METAL CHIP	47K	0.5%	1/10W
Q6250	8-729-120-28	TRANSISTOR 2SC2	2412K-T-146	-R	R6129	1-208-822-11	METAL CHIP	47K	0.5%	1/10W
Q6251	8-729-120-28	TRANSISTOR 2SC2	2412K-T-146	-R	R6131	1-216-037-00	RES-CHIP	330	5%	1/10W
Q6252	8-729-026-49	TRANSISTOR 2SA1	L037AK-T146	-R	R6132	1-216-037-00	RES-CHIP	330	5%	1/10W
Q6253		TRANSISTOR 2SC5			R6133	1-216-037-00	RES-CHIP	330	5%	1/10W
Q6254	8-729-045-05	TRANSISTOR 2SA2	2005		R6135	1-163-021-91	CERAMIC CHIP	0.010	JF 10.0	10% 50V
Q6350	8-729-120-28	TRANSISTOR 2SC2	2412K-T-146	-R	R6136	1-208-822-11	METAL CHIP	47K	0.5%	1/10W
Q6351	8-729-119-78	TRANSISTOR 2SC1	L740S-RT		R6137	1-208-822-11	METAL CHIP	47K	0.5%	1/10W
Q6352	8-729-140-97				R6138	1-208-822-11	METAL CHIP	47K	0.5%	1/10W
Q6353		TRANSISTOR 2SB7			R6139	1-208-822-11	METAL CHIP	47K		1/10W
Q6354	8-729-120-28	TRANSISTOR 2SC2	2412K-T-146	-R	R6140	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
Q6356	8-729-120-28	TRANSISTOR 2SC2	2412K-T-146	-R	R6143	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
Q6358	8-729-038-83	TRANSISTOR 2SK2	2251-01-F19		R6146	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
Q6401	1-801-806-11	TRANSISTOR DTC1	L44EKA-T146		R6148	1-216-295-11	SHORT	0		
Q6402	1-801-806-11	TRANSISTOR DTC1	L44EKA-T146		R6149	1-216-025-11	RES-CHIP	100	5%	1/10W
Q6403	8-729-120-28	TRANSISTOR 2SC2	2412K-T-146	-R	R6155	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
Q6404	8-729-026-49	TRANSISTOR 2SA1	L037AK-T146	-R	R6160	1-216-295-11	SHORT	0		
Q6405	8-729-026-49	TRANSISTOR 2SA1	L037AK-T146	-R	R6162	1-216-049-11	RES-CHIP	1K	5%	1/10W
Q6455	8-729-120-28	TRANSISTOR 2SC2	2412K-T-146	-R	R6165	1-216-699-91	METAL CHIP	100K	0.5%	1/10W
Q6465	8-729-120-28	TRANSISTOR 2SC2	2412K-T-146	-R	R6168	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
	/ DECICEO	מר מר			R6169	1-216-699-91	METAL CHIP	100K	0.5%	1/10W
	< RESISTO	JK >			R6170	1-216-037-00	RES-CHIP	330	5%	1/10W
R6100	1-216-033-00	RES-CHIP 2	220 5%	1/10W	R6171	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R6101	1-216-033-00	RES-CHIP 2	220 5%	1/10W	R6177	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R6102	1-216-057-00		2.2K 5%	1/10W	R6180	1-216-057-00		2.2K	5%	1/10W
R6103	1-216-057-00	RES-CHIP 2	2.2K 5%	1/10W	R6182	1-216-089-11	RES-CHIP	47K	5%	1/10W
R6104	1-216-057-00	RES-CHIP 2	2.2K 5%	1/10W	R6183	1-216-057-00	DEC_CUTD	2.2K	5 9	1/10W
R6105	1-216-049-11	מוס-CHTD 1	LK 5%	1/10W	R6188	1-216-057-00		4.7K		1/10W
R6105	1-216-049-11		2.2K 5%	1/10W	R6190	1-216-057-00		2.2K		1/10W
R6109	1-208-814-91			1/10W	R6191	1-215-925-11			5%	3W
R6110	1-208-814-91		22K 0.5%		R6194	1-216-065-91		4.7K		1/10W
R6111	1-216-057-00		2.2K 5%	1/10W						_,
					R6195	1-208-814-91				1/10W
R6112	1-216-057-00		2.2K 5%	1/10W	R6196	1-249-377-11		0.47		1/4W
R6113	1-216-073-00		LOK 5%	1/10W	R6199	1-216-081-00		22K	5% = °	1/10W
R6114	1-216-073-00		LOK 5%	1/10W	R6205	1-216-025-11		100	5% 5°	1/10W
R6115	1-216-089-11		17K 5%	1/10W	R6208	1-216-089-11	RES-CHIP	47K	5%	1/10W
R6116	1-216-089-11	KES-CHIP 4	17K 5%	1/10W	R6210	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R6117	1-216-073-00	RES-CHIP 1	LOK 5%	1/10W	R6211	1-216-073-00			5%	1/10W
R6118	1-216-073-00		LOK 5%	1/10W	R6212	1-216-057-00		2.2K		1/10W
R6119	1-216-073-00		LOK 5%	1/10W	R6216	1-216-089-11		47K	5%	1/10W
R6120	1-216-057-00		2.2K 5%	1/10W	R6217	1-216-073-00		10K	5%	1/10W
R6121	1-216-057-00	RES-CHIP 2	2.2K 5%	1/10W						
R6122	1-216-057-00	BES-CHID S	2.2K 5%	1/10W	R6218 R6254	1-216-295-11 1-216-049-11		0 1K	5%	1/10W
VOTEE	1-210-03/-00	NEO-CUIF 2	1,2N J6	1/1011	NU234	1-210-043-11	VEO-CUIL	TV	Jo	1/ 1VM

REF. NO.	PART.NO	DESCRIPTION	N		REMARK	REF. NO.	PART.NO	DESCRIPTION	l		REMARK
R6255	1-216-061-00	RES-CHIP	3.3K	5%	1/10W	R6374	1-216-689-11	METAL CHIP	39K	0.5%	1/10W
R6256	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	R6375	1-216-041-00	RES-CHIP	470	5%	1/10W
R6257	1-216-061-00	RES-CHIP	3.3K	5%	1/10W	R6377	1-216-689-11	METAL CHIP	39K	0.5%	1/10W
R6258	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	R6378	1-208-806-11	METAL CHIP	10K	0.5%	1/10W
R6259	1-216-097-11	RES-CHIP	100K		1/10W	R6379	1-216-295-11	SHORT	0		•
R6260	1-216-049-11	RES-CHIP	1K	5%	1/10W	R6380	1-218-754-11	METAL CHIP	120K	0.5%	1/10W
R6261	1-216-097-11		100K		1/10W	R6381	1-216-045-00	RES-CHIP	680	5%	1/10W
R6262	1-260-321-71		270	5%	1/2W	R6382	1-218-754-11		120K		1/10W
R6263	1-216-025-11		100	5%	1/10W	R6383	1-216-687-11		33K		1/10W
R6264	1-216-025-11		100	5%	1/10W	R6384	1-216-043-91		560	5%	1/10W
R6267	1-216-049-11	RES-CHIP	1K	5%	1/10W	R6385	1-216-295-11	SHORT	0		
										A E0.	1 /1 017
R6269	1-208-798-11			0.5%		R6386	1-216-699-91		100K		1/10W
R6270	1-208-798-11				1/10W	R6387	1-216-677-11		12K		1/10W
R6271	1-208-814-91		22K		1/10W	R6391	1-249-417-11		1K	5% 5°	1/4W
R6278	1-216-057-00	RES-CHIP	2.2K	5*	1/10W	R6394	1-216-069-00	RES-CHIP	6.8K	5%	1/10W
R6279	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	R6395	1-216-081-00	RES-CHIP	22K	5%	1/10W
R6280	1-212-849-00	FUSIBLE	4.7	5%	1/4W	R6397	1-208-806-11	METAL CHIP	10K	0.5%	1/10W
R6281	1-212-849-00	FUSIBLE	4.7	5%	1/4W	R6398	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R6282	1-215-886-11	METAL OXIDE	100	5%	2W	R6401	1-216-295-11	SHORT	0		
R6283	1-216-393-00	METAL OXIDE	2.2	5%	3W	R6402	1-216-295-11	SHORT	0		
R6285	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	R6403	1-216-661-11	METAL CHIP	2.7K	0.5%	1/10W
R6313	1-216-295-11		0		,	R6404	1-208-814-91		22K		1/10W
R6322	1-216-049-11		1K	5%	1/10W	R6405	1-208-814-91		22K		1/10W
R6323	1-216-049-11		1K	5%	1/10W	R6409	1-216-025-11		100	5%	1/10W
R6324	1-216-025-11		100	5 %	1/10W	R6410	1-216-073-00		10K	5%	1/10W
R6325	1-216-025-11	DEC-CHID	100	5%	1/10W	R6411	1-216-073-00	RES-CHIP	10K	5%	1/10W
R6350	1-216-025-11		47K	5%	1/10W	R6412	1-216-073-00		10K	5%	1/10W
R6351	1-218-762-11				1/10W	R6413	1-216-679-11		15K		
R6353	1-218-702-11				1/10W	R6414	1-218-879-11		22K		1/10W 1/10W
							1-208-814-91				· · · · · · · · · · · · · · · · · · ·
R6355	1-218-774-11	METAL CHIP	02UN	0.5%	1/10W	R6415	1-200-014-91	METAL CHIP	22K	0.5%	1/10W
R6356	1-208-806-11	METAL CHIP	10K	0.5%	1/10W	R6416	1-208-814-91	METAL CHIP	22K	0.5%	1/10W
R6357	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	R6418	1-216-091-00	RES-CHIP	56K	5%	1/10W
R6358	1-216-047-91	RES-CHIP	820	5%	1/10W	R6419	1-216-073-00	RES-CHIP	10K	5%	1/10W
R6359	1-216-097-11	RES-CHIP	100K	5%	1/10W	R6420	1-216-089-11	RES-CHIP	47K	5%	1/10W
R6360	1-216-073-00		10K	5%	1/10W	R6421	1-216-637-11	METAL CHIP	270	0.5%	1/10W
R6361	1-216-097-11	RES-CHIP	100K	5%	1/10W	R6422	1-208-770-11	METAL CHIP	330	0.5%	1/10W
R6362	1-216-687-11				1/10W	R6423	1-216-657-11				1/10W
R6363	1-208-806-11				1/10W	R6426	1-216-081-00		22K		1/10W
R6364	1-216-057-00		2.2K		1/10W	R6427	1-216-081-00		22K		1/10W
R6365	1-216-037-00		2.2K 220		1/10W	R6429	1-216-065-91		4.7K		1/10W
K0202	1-210-033-00	KES-CHIP	220	30	1/100	K0429	1-210-005-91	KES-CHIP	4./1	20	1/10W
R6366	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	R6430	1-216-065-91	RES-CHIP	4.7K	5%	1/10W
R6367	1-216-679-11	METAL CHIP	15K	0.5%	1/10W	R6432	1-216-057-00	RES-CHIP	2.2K	5%	1/10W
R6368	1-218-760-11	METAL CHIP	220K	0.5%	1/10W	R6433	1-216-073-00	RES-CHIP	10K	5%	1/10W
R6369	1-218-762-11	METAL CHIP	270K	0.5%	1/10W	R6437	1-249-422-11	CARBON	2.7K	5%	1/4W
R6371	1-216-474-11	METAL OXIDE	82	5%	3W	R6438	1-249-421-11	CARBON	2.2K	5%	1/4W
R6372	1-216-033-00	RES-CHIP	220	5%	1/10W	R6439	1-208-814-91	METAL CHIP	22K	0.5%	1/10W
R6373	1-216-681-11				1/10W	R6440	1-208-814-91				1/10W
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REF. NO.	PART.NO	DESCRIPTIO	N		REMAR	K REF. I	NO.	PART.NO	DESCRIPTIO	N		REMARK
R6441	1-208-806-11	METAL CHIP	10K	0.5%	1/10W	R6193	3	1-163-251-11	CERAMIC CHIP	100PF	5.00%	50V
R6442	1-216-039-00	RES-CHIP	390	5%	1/10W	R619	8	1-216-089-11	RES-CHIP	47K	5%	1/10W
R6455	1-216-295-11	SHORT	0			R620	0	1-216-695-11	METAL CHIP	68K	0.5%	1/10W
R6456	1-216-097-11		100K	5%	1/10W	R620		1-216-107-00		270K		1/10W
R6457	1-216-075-00			5%	1/10W	R620		1-216-113-00		470K		1/10W
					,							,
R6458	1-216-089-11	RES-CHIP	47K	5%	1/10W	R621	5	1-216-689-11	METAL CHIP	39K	0.5%	1/10W
R6459	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	R626	5	1-216-101-00	RES-CHIP	150K	5%	1/10W
R6460	1-249-393-11	CARBON	10	5%	1/4W	R626	8	1-216-081-00	RES-CHIP	22K	5%	1/10W
R6461	1-249-411-11	CARBON	330	5%	1/4W	R627	6	1-216-677-11	METAL CHIP	12K	0.5%	1/10W
R6462	1-249-406-11	CARBON	120	5%	1/4W	R627	7	1-216-677-11	METAL CHIP	12K	0.5%	1/10W
R6463	1-216-095-00	DEC_CUID	82K	5%	1/10W	R628	Л	1-216-113-00	DEC_CUID	470K	5 &	1/10W
R6464	1-216-079-00			5%	1/10W	R628		1-216-073-00		10K	5%	1/10W
KOTOT	1-210-079-00	KES-CHIP	IOK	J.º	1/100	R628		1-216-073-00			5% 5%	
										10K		1/10W
D1 Bo	oard Variant P	Parts KV-28	FX65			R637		1-208-806-11		10K		1/10W
						R639	9	1-218-756-11	METAL CHIP	150K	0.5%	1/10W
	< CAPACIT	ror >				R640	0	1-208-806-11	METAL CHIP	10K	0.5%	1/10W
06120	1 160 050 01	CERAMIC CHIE	2200=		5.00% 50	DC40		1-216-103-00		180K		1/10W
C6130						DC13:		1-216-115-00		560K		1/10W
C6134	1-102-508-91		10PF		0.50PF 50		_			••••		-,
C6209		CERAMIC CHIE		_	5.00% 50		4.5	11/- 1 4 B	10/00	=V0E		
C6251		CERAMIC CHIE			10.00% 25		I Boai	rd Variant P	arts KV-32	-X65		
C6252	1-163-989-11	CERAMIC CHIE	0.03301	ŗ	10.00% 25			< CAPACIT	OR >			
C6420	1-136-165-00	FILM	0.1UF		5.00% 50							
C6421	1-136-165-00	FILM	0.1UF		5.00% 50	C620	9	1-163-251-11	CERAMIC CHIP	100PF		5.00% 50V
						C625	1	1-216-295-11	SHORT	0 (K	V-32FX	65B/32FX65E/32FX65K)
	< IC >							1-163-989-11	CERAMIC CHIP	0.0330		10.00% 25V KV-32FX65U)
IC6250	8-759-595-52	IC CXA8070AF	1			C625	2	1-163-989-11	CERAMIC CHIP	0.0330	•	10.00% 25V
	< RESISTO	OR >				C642	0	1-136-165-00	FILM	0.1UF		5.00% 50V KV-32FX65U)
R6107	1-216-657-11	METAL CHIP	1.8K	0.5%	1/10W	C642	1	1-136-165-00	FILM	0.1UF	•	5.00% 50V
R6108	1-216-657-11	METAL CHIP	1.8K	0.5%	1/10W						(KV-32FX65U)
R6127	1-208-790-11	METAL CHIP	2.2K	0.5%	1/10W							
R6130	1-218-768-11	METAL CHIP	470K	0.5%	1/10W			< IC >				
R6141	1-208-814-91	METAL CHIP	22K	0.5%	1/10W							
						IC62	50	8-759-478-66	IC CXA8070P	(KV-32F	X65B/3	2FX65E/32FX65K)
R6142	1-216-670-11	METAL CHIP	6.2K	0.5%	1/10W			8-759-595-52	IC CXA8070AP	(KV-32F	X65U)	
R6144	1-216-105-91	RES-CHIP	220K	5%	1/10W							
R6145	1-216-053-00	RES-CHIP	1.5K	5%	1/10W			< RESISTO	R >			
R6154	1-216-067-00	RES-CHIP	5.6K	5%	1/10W							
R6158	1-208-790-11	METAL CHIP	2.2K	0.5%	1/10W	R610	7	1-208-790-11	METAL CHIP	2.2K	0.5%	1/10W
						R610	8	1-208-790-11	METAL CHIP	2.2K	0.5%	1/10W
R6159	1-208-790-11	METAL CHIP	2.2K	0.5%	1/10W	R612		1-216-663-11				1/10W
R6161	1-208-802-11				1/10W	R613		1-218-769-11				1/10W
R6174	1-216-075-00				1/10W	R614		1-216-679-91				1/10W
R6175	1-216-065-91				1/10W							
R6176	1-216-295-11		0		•	R6142	2	1-208-798-11	METAL CHIP	4.7K	0.5%	1/10W
						R614		1-216-099-00		120K		1/10W
R6179	1-216-065-91	RES-CHIP	4.7K	5%	1/10W	R614		1-216-055-00		1.8K		1/10W
R6186	1-216-045-00				1/10W	R6154		1-216-049-11		1K		1/10W
R6189	1-216-059-00		2.7K		1/10W	R6158		1-208-798-11				1/10W
R6192	1-208-814-91				1/10W		-			· · • ·	- · • ·	
	1 200 017 71	01111		J.J0	-/ 11							





REF. NO.	PART.NO	DESCRIPTIO	N		REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
R6159	1-216-295-11	SHORT	0			C4331	1-126-959-11	ELECT 0.47UF	20.00% 50V
R6161	1-216-673-11	METAL CHIP	8.2K	0.5%	1/10W	C4332	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
5174	1-216-081-00	RES-CHIP	22K	5%	1/10W	C4333	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
5175	1-216-069-00		6.8K	5%	1/10W	C4334	1-126-967-11		20.00% 50V
5176	1-216-071-00		8.2K		1/10W	C4336	1-126-967-11		20.00% 50V
5179	1-216-295-11	SHORT	0			C4338	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
6186	1-216-063-91		3.9K	5%	1/10W	C4340	1-126-967-11		20.00% 50V
6189	1-216-295-11		0	•	1/1011	C4342		CERAMIC CHIP 0.01UF	10.00% 50V
6192	1-208-806-11		10K	N 5%	1/10W	C4342		CERAMIC CHIP 0.1UF	10.00% 35V
6198	1-216-081-11		22K	5%	1/10W	C4344		CERAMIC CHIP 0.10F	10.00% 25V 10.00% 25V
	1 016 105 01				4 /4 0	21215	1 100 000 11	45	00 000 500
6206	1-216-105-91		220K		1/10W	C4345	1-126-967-11		20.00% 50V
6207	1-216-105-91		220K		1/10W	C4346	1-164-004-11		10.00% 25V
5215	1-216-089-11		47K	5 %	1/10W	C4347	1-164-004-11		10.00% 25V
6265	1-216-105-91		220K		1/10W	C4348		CERAMIC CHIP 0.1UF	10.00% 25V
5266	1-216-113-00	RES-CHIP	470K	5%	1/10W	C4349	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
6268	1-216-093-00	RES-CHIP	68K	5%	1/10W	C4350	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
.6276	1-216-686-11	METAL CHIP	30K	0.5%	1/10W	C4351	1-163-009-11	CERAMIC CHIP 0.001UF	10.00% 50V
6277	1-216-686-11	METAL CHIP	30K	0.5%	1/10W	C4352	1-126-967-11	ELECT 47UF	20.00% 50V
6284	1-216-109-00	RES-CHIP	330K	5%	1/10W	C4353	1-107-823-11	CERAMIC CHIP 0.47UF	10.00% 16V
6286	1-216-071-00	RES-CHIP	8.2K	5%	1/10W	C4354	1-107-823-11	CERAMIC CHIP 0.47UF	10.00% 16V
6287	1-216-081-00	RES-CHIP	22K	5%	1/10W	C4355	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
6370	1-216-677-11	METAL CHIP	12K	0.5%	1/10W	C4356	1-164-004-11		10.00% 25V
5399	1-216-695-11	METAL CHIP	68K		1/10W	C4357	1-164-004-11		10.00% 25V
6400	1-216-677-11		12K		1/10W	C4358	1-164-004-11		10.00% 25V
6428	1-216-101-00		150K	5%	1/10W	C4359		CERAMIC CHIP 0.0022UF	10.00% 50V
6431	1-216-113-00	RES-CHIP	470K	5%	1/10W	C4360	1-126-963-11	ELECT 4.7UF	20.00% 50V
· · · · ·				•	-, - v	C4362	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
* 4 4 6	40.000 A F	· Daniel On	l-1			C4363	1-126-967-11	ELECT 47UF	20.00% 50V
*A-164		Board, Co (V-28FX65)	mpiet	9		C4364	1-126-967-11		20.00% 50V
*A-164	40-381-A È	Board, Co				C4366		CERAMIC CHIP 0.01UF	10.00% 50V
*A-164		(V-32FX65B Board, Co			32FX65K)	C4367	1-104-760-11	CERAMIC CHIP 0.047UF	10.00% 50V
		V-32FX65U				C4369		CERAMIC CHIP 0.1UF	10.00% 25V
						C4370	1-126-967-11		20.00% 50V
E D~	rd Common	Dorto				C4371		CERAMIC CHIP 0.1UF	10.00% 25V
с Воа	rd, Common	rants				C4377	1-126-960-11		20.00% 50V
	< CAPACIT	OR >				C4519	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V
4316	1-104-664-11		47UF		20.00% 25V		< CONNECT	OR >	
4317		CERAMIC CHIP			10.00% 25V		COMMECT	VII /	
	1-164-004-11				10.00% 25V	OX 41 01	1_605 201 11	COMMECTOD DOND TO DO	ממא מפא
		CEDAMIC CUID	0.1UF		10.00% 25V	CN4101		CONNECTOR, BOARD TO BOA	40F
4319	1-164-004-11				10.00% 25V	CN4500		PLUG, CONNECTOR 8P	
1319	1-164-004-11 1-164-004-11		0.1UF		10.00% 250	CN4502	*1-564-506-11	PLUG, CONNECTOR 3P	
4318 4319 4320 4321		CERAMIC CHIP			10.00% 25V	CN4502	*1-564-506-11	PLUG, CONNECTOR 3P	
4319 4320 4321	1-164-004-11 1-164-004-11	CERAMIC CHIP	0.1UF		10.00% 25V	CN4502	*1-564-506-11	·	
4319 4320 4321 4322	1-164-004-11 1-164-004-11 1-164-004-11	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.1UF 0.1UF		10.00% 25V 10.00% 25V	CN4502		·	
4319 4320 4321 4322 4324	1-164-004-11 1-164-004-11 1-164-004-11 1-164-004-11	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.1UF 0.1UF 0.1UF		10.00% 25V 10.00% 25V 10.00% 25V	CN4502	< DIODE >	·	
4319 4320 4321 4322 4324 4325	1-164-004-11 1-164-004-11 1-164-004-11 1-163-227-11	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.1UF 0.1UF 0.1UF 10PF		10.00% 25V 10.00% 25V 10.00% 25V 0.50PF 50V		< DIODE > 8-719-923-60		
4319 4320 4321 4322 4324	1-164-004-11 1-164-004-11 1-164-004-11 1-164-004-11	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP	0.1UF 0.1UF 0.1UF		10.00% 25V 10.00% 25V 10.00% 25V	D4304	< DIODE > 8-719-923-60 8-719-923-60	DIODE MTZJ-T-77-9.1	
1319 1320 1321 1322 1324 1325	1-164-004-11 1-164-004-11 1-164-004-11 1-163-227-11	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP ELECT	0.1UF 0.1UF 0.1UF 10PF		10.00% 25V 10.00% 25V 10.00% 25V 0.50PF 50V	D4304 D4305	< DIODE > 8-719-923-60 8-719-923-60 8-719-914-43	DIODE MTZJ-T-77-9.1 DIODE MTZJ-T-77-9.1	



REF. NO.	PART.NO	DESCRIPTION		REMARK	REF. NO.	PART.NO	DESCRIPTION	N		REMARK
D4313	8-719-401-63	DIODE MA3062M-	-TX		R4332	1-216-073-00	RES-CHIP	10K	5%	1/10W
					R4333	1-216-073-00	RES-CHIP	10K	5%	1/10W
	< FERRITE	BEAD >			R4334	1-216-025-11	RES-CHIP	100	5%	1/10W
					R4335	1-216-025-11	RES-CHIP	100	5%	1/10W
FB4387	1-414-234-22	INDUCTOR CHIP	OUH		R4336	1-216-025-11	RES-CHIP	100	5%	1/10W
FB4388	1-414-234-22	INDUCTOR CHIP	OUH							
FB4389	1-414-234-22	INDUCTOR CHIP	OUH		R4337	1-216-025-11	RES-CHIP	100	5%	1/10W
					R4339	1-216-049-11	RES-CHIP	1K	5%	1/10W
	< IC >				R4340	1-216-111-00	RES-CHIP	390K	5%	1/10W
					R4341	1-216-295-11	SHORT	0		
IC4301	8-752-090-88	IC CXA2100AQ-	rl		R4343	1-216-025-11	RES-CHIP	100	5%	1/10W
	< COIL >				R4344	1-216-025-11	RES-CHIP	100	5%	1/10W
					R4345	1-216-677-11	METAL CHIP	12K	0.5%	1/10W
L4301	1-414-183-41	INDUCTOR	10UH		R4346	1-216-681-11	METAL CHIP	18K	0.5%	1/10W
L4302	1-414-183-41	INDUCTOR	10UH		R4347	1-216-025-11		100	5%	1/10W
L4303	1-414-183-41		10UH		R4348	1-216-025-11		100	5%	1/10W
L4304	1-414-183-41		10UH							*
L4305	1-414-183-41		10UH		R4350	1-216-025-11	RES-CHIP	100	5%	1/10W
			•		R4354	1-208-806-11		10K		1/10W
L4306	1-414-183-41	INDUCTOR	10UH		R4355	1-216-009-91		22	5%	1/10W
L4308	1-414-186-31		33UH		R4356	1-216-009-91		22	5%	1/10W
L4309	1-414-186-31		33UH		R4357	1-216-009-91		22	5%	1/10W
	< TRANSIS	STOR >			R4358	1-216-071-00	RES-CHIP	8.2K	5%	1/10W
					R4359	1-216-041-00		470		1/10W
Q4304	8-729-026-49	TRANSISTOR 2SA	A1037AK-T14	6-R	R4360	1-216-057-00		2.2K		1/10W
Q4307		TRANSISTOR 2SA			R4361	1-216-133-00		3.3M		1/10W
Q4308		TRANSISTOR 2SA			R4363	1-216-025-11	RES-CHIP	100	5%	1/10W
Q4309	8-729-026-49	TRANSISTOR 2SA	A1037AK-T14	6-R						•
Q4310		TRANSISTOR 2SA			R4365	1-216-025-11	RES-CHIP	100	5%	1/10W
-					R4366	1-216-025-11	RES-CHIP	100	5%	1/10W
Q4311	8-729-026-49	TRANSISTOR 2SA	A1037AK-T14	6-R	R4367	1-216-025-11	RES-CHIP	100	5%	1/10W
Q4312		TRANSISTOR 2SA			R4370	1-216-089-11	RES-CHIP	47K	5%	1/10W
Q4313		TRANSISTOR 2SA			R4371	1-216-069-00		6.8K		1/10W
Q4315		TRANSISTOR DTO								•
Q4316		TRANSISTOR 2SO			R4372	1-216-049-11	RES-CHIP	1K	5%	1/10W
-					R4373	1-216-073-00		10K	5%	1/10W
Q4317	8-729-900-53	TRANSISTOR DTO	C114EKA-T14	6	R4374	1-216-049-11		1K	5%	1/10W
-			-		R4375	1-216-049-11		1K	5%	1/10W
	< RESISTO	OR >			R4376	1-216-049-11		1K	5%	1/10W
R4301	1-216-025-11	RES-CHIP	100 5%	1/10W	R4377	1-216-049-11	RES-CHIP	1K	5%	1/10W
R4302	1-216-025-11		100 5%	1/10W	R4378	1-216-101-00		150K		1/10W
R4303	1-216-025-11		100 5%	1/10W	R4379	1-216-091-00		56K	5%	1/10W
R4304	1-216-025-11		100 5%	1/10W	R4380	1-216-073-00		10K	5%	1/10W
R4305	1-216-025-11		100 5%	1/10W	R4382	1-216-073-00		10K	5%	1/10W
R4306	1-216-025-11	RES-CHIP	100 5%	1/10W	R4384	1-216-025-11	RES-CHIP	100	5%	1/10W
R4307	1-216-045-00		680 5%	1/10W	R4387	1-216-031-00		180	5%	1/10W
R4308	1-216-045-00		680 5%	1/10W	R4388	1-216-031-00		180	5%	1/10W
R4309	1-216-045-00		680 5%	1/10W	R4389	1-216-031-00		180	5%	1/10W
R4313	1-216-065-91		4.7K 5%	1/10W	R4394	1-216-025-11		100	5%	1/10W
R4314	1-216-057-00	RES-CHIP	2.2K 5%	1/10W	R4395	1-216-295-11	SHORT	0		
R4331	1-216-073-00		10K 5%	1/10W	R4396	1-216-295-11		0		
7422T	1-210-0/3-00	VE9-CHIL	TOV 24	T/ TOM	K4390	1-210-290-11	SHORT	U		

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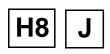
REF. NO.	PART.NO	DESCRIPTI	ION	R	EMARK	REF. NO.	PART.NO	DESCRIPTIO	N	REMARK
R4398	1-216-025-11	RES-CHIP	100	5% 1/10	W	R4407	1-216-091-91	RES-CHIP	56K 5%	1/10W (KV-32FX65U)
R4399	1-216-025-11	RES-CHIP	100	5% 1/10	W	R4507	1-216-129-91	RES-CHIP	2.2M 5%	1/10W
R4518	1-216-025-11	RES-CHIP	100	5% 1/10	W					(KV-32FX65B/E/K)
R4519	1-216-073-00		10K	5% 1/10						, , , , , , , , , , , , , , , , , , , ,
R4520	1-216-295-11		0	-, -,		*A-164	46-229-A H	8 Board, C	omplete	
=			_				(K	V-28FX65/3	2FX65U)	
R4521	1-216-295-11		0			*A-164	46-217-A H			
R4522	1-216-073-00	RES-CHIP	10K	5% 1/10	W		(K	(V-32FX65B	/32FX65E/	32FX65K)
	< CRYSTAI	i >				Н8 Во	oard, Commo	n Parts		
X4300	1-767-127-11	VIBRATOR, C	CERAMIC				4-205-711-01	HOLDER, LED		
E Boa	rd Variant Pa	rts KV-28I	FX65				8-719-109-89	DIODE MTZJ-	!-77-5.6B	
	< CAPACIT						< CAPACI	TOR >		
C4379	1-163-243-11		P 47PF	5.00%	50V	C7150	1-126-969-11	ELECT	220UF	20.00% 50V
				0.00			< CONNECT	TOR >		
	< RESISTO	OR >				CN7150	*1-564-519-11	DI IIC CONNE	מו מסחיי	
R4383	1-216-079-00			5% 1/10		CN/150	^1-504-519-11	PLUG, CONNEC	JUR 4P	
R4401	1-216-105-91	RES-CHIP	220K	5% 1/10	W		< DIODE :	>		
R4404	1-216-073-00	RES-CHIP	10K	5% 1/10	W					
E Boa	rd Variant Pa	rts KV-32I	FX65			D7150	8-719-081-56	DIODE L-59SE	RGC-CC	
							< IC >			
	< CAPACIT	OR >				IC7150	8-749-014-59	IC TSOP1740E	KS1	
C4379	1-163-243-11	CERAMIC CHI	P 47PF	5.00%	50V					
					(KV-32FX65U)		< RESIST	OR >		
C4380	1-163-017-00	CERAMIC CHI	IP 0.00470	JF 10.00	% 50V (KV-32FX65U)	R7150	1-249-409-11	CARBON	220 5%	1/4W
C4518	1-162-638-11	CERAMIC CHI	P 1UF		16V		1-249-411-11		330 5%	•
			(KV	7-32FX65B/3	2FX65E/32FX65K)					
	< TRANSIS	STOR >				H8 Bc	oard Variant F	Parts KV-28	FX65	
04040	0 740 000 10	mp	003400===	. m1 / C =	/mm 00m-02		< DIODE :	>		
Q4318	8-719-026-49	TRANSISTOR	2SA1037AF	K-T146-R	(KV-32FX65U)	D7152	0 710 000 00	DIODE MTZJ-1	1 77 E 60	
	< RESISTO	OR >				D/152	0-719-923-30	DIONE WITO-	11-3.05	
1201ת	1 016 105 00	DEC CUIT	1 57	EQ 1/10	T.J		< TRANSIS	STOR >		
R4381	1-216-125-00	KES-CHIP		5% 1/10 7-32FX65B/3	W 2FX65E/32FX65K)	07150	8-720-020-57	TRANSISTOR I		
R4383	1-216-089-11	RES-CHIP	47K	5% 1/10	W	Ž1120	0 123-023-31	IMMOISION I	'TUTAEOW_IL	
	1-216-079-00	RES-CHIP	(KV 18K		2FX65E/32FX65K) W (KV-32FX65U)		< RESISTO	OR >		
						R7152	1-535-465-11	LEAD, JUMPER	R (5.0MM)	
R4401	1-216-107-00	RES-CHIP	270K	•	W 2FX65E/32FX65K)	R7153	1-249-425-11		4.7K 5%	1/4W
	1-216-105-91	RES-CHIP	220K		W (KV-32FX65U)	R7154	1-247-817-91	CARBON	270 5%	1/4W
R4403	1-216-073-00		10K		W (KV-32FX65U)	1				
R4404	1-216-073-00		10K		W (KV-32FX65U)					
•				-, -,	,/					
- 4 4 4 5	4 044 400 44			= 0 4 /4 0	(00	1				

1-216-689-11 RES-CHIP 39K 5% 1/10W (KV-32FX65U)

1-216-105-91 RES-CHIP 220K 5% 1/10W (KV-32FX65U)

R4405

R4406



REF. NO.	PART.NO	DESCRIPTIO	N	RE	MARK	REF. NO.	PART.NO	DESCRIPTION	V	REMA	RK
						C8217	1-164-004-11	CERAMIC CHIP	0.1UF	10.00% 25	5V
Н8 Во	ard Variant P	arts KV-32	FX65			C8218	1-126-964-11	ELECT	10UF	20.00% 50	0V
110 20	ara variant i	u. 10 111 0 <u>1</u>				C8219	1-164-004-11	CERAMIC CHIP	0.1UF	10.00% 25	5V
	< DIODE >	,				C8220	1-126-964-11	ELECT	10UF	20.00% 50	0V
	\ DIODE /					C8221	1-104-664-11	ELECT	47UF	20.00% 16	6V
D7152	8-719-923-38	DIODE MTZJ-T	-77-5.6B		(KV-32FX65U)	C8222	1-104-664-11	DI DOM	47UF	20.00% 16	CTI
						C8222	1-104-664-11		47UF	20.00% 16	
	< TRANSIS	STOR >				C8224		CERAMIC CHIP		10.00% 25	
						C8225	1-104-664-11		47UF	20.00% 2	
Q7150	8-729-029-57	TRANSISTOR D	TA144ESA-TP		(KV-32FX65U)	C8227		CERAMIC CHIP		10.00% 50	
	< RESISTO	ע פו									
	\ KESISIC	/K /				C8228	1-163-009-11	CERAMIC CHIP	0.001UF	10.00% 50	0Λ
R7152	1-535-465-11	LEAD, JUMPER	(5 OMM)		(KV-32FX65U)	C8229	1-163-009-11	CERAMIC CHIP	0.001UF	10.00% 50	0V
R7153	1-247-817-91		4.7K 5%	1/4W	(KV-32FX65U)	C8230	1-163-009-11	CERAMIC CHIP	0.001UF	10.00% 50	
R7154	1-247-817-91		270 5%	1/4W	(KV-32FX65U)	C8231	1-163-009-11	CERAMIC CHIP	0.001UF	10.00% 50	
		VIII.2VIII		-,	(022007)	C8232	1-164-004-11	CERAMIC CHIP	0.1UF	10.00% 25	5V
*A-165		Board, Co				C8233	1-104-664-11	ELECT	47UF	20.00% 16	6V
		(V-28FX65/3				C8234	1-107-823-11			10.00% 16	
*A-165		Board, Co				C8235	1-107-823-11			10.00% 16	
	(K	(V-32FX65B	/32FX65E	/32FX6	55K)	C8236	1-126-933-11		100UF	20.00% 16	
						C8237		CERAMIC CHIP	0.01UF	10.00% 50	
J Boa	rd, Common	Parts									
						C8238	1-164-505-11				6V
	< CAPACIT	OR >				C8239	1-107-823-11			10.00% 16	
						C8240	1-107-823-11			10.00% 16	
C8105	1-126-933-11		100UF	20.00%		C8241	1-126-964-11		10UF	20.00% 50	
C8106	1-126-933-11		100UF	20.00%		C8242	1-104-664-11	ELECT	47UF	20.00% 16	6V
C8107	1-126-935-11		470UF	20.00%		~~~~	1 100 000 11			10 000 5	^
C8108	1-126-933-11		100UF	20.00%		C8301	1-163-037-11			10.00% 50	
C8109	1-164-004-11	CERAMIC CHIP	U.1UF	10.00%	25V	C8302	1-163-021-91			10.00% 50 20.00% 10	
C8110	1-164-004-11	CERAMIC CHIP	0 1mm	10.00%	2517	C8303 C8304	1-126-933-11 1-115-340-11		100UF	10.00% 25	
C8111	1-104-004-11		100UF	20.00%		C8305		CERAMIC CHIP		10.00% 25	
C8111	1-120-935-11		22UF	20.00%		C0303	1-103-021-91	CERAMIC CHIP	0.0101	10.00% 50	U V
C8144		CERAMIC CHIP		10.00%		C8306	1-107-823-11	CERAMIC CHIP	0 47IIF	10.00% 16	6V
C8145		CERAMIC CHIP		10.00%		C8307		CERAMIC CHIP		10.00% 25	
00110	1 107 023 11	02111110 01111	0.1701	10.000	207	C8308		CERAMIC CHIP		10.00% 25	
C8200	1-104-664-11	ELECT	47UF	20.00%	16V	C8309	1-126-961-11		2.2UF	20.00% 50	
C8201		CERAMIC CHIP		5.00%		C8311	1-104-664-11		47UF	20.00% 16	
C8202	1-164-004-11	CERAMIC CHIP	0.1UF	10.00%							
C8203	1-164-004-11	CERAMIC CHIP	0.1UF	10.00%	25V	C8313	1-163-021-91	CERAMIC CHIP	0.01UF	10.00% 50	0V
C8204	1-164-506-11	CERAMIC CHIP	4.7UF		16V	C8314	1-163-021-91	CERAMIC CHIP	0.01UF	10.00% 50	0V
						C8318	1-104-664-11	ELECT	47UF	20.00% 16	6V
C8205	1-165-319-11	CERAMIC CHIP	0.1UF		50V	C8321	1-104-664-11	ELECT	47UF	20.00% 16	6V
C8208	1-164-506-11	CERAMIC CHIP	4.7UF		16V	C8322	1-163-227-11	CERAMIC CHIP	10PF	0.50PF 50	0V
C8209	1-163-251-11	CERAMIC CHIP	100PF	5.00%	50V						
C8210	1-164-004-11	CERAMIC CHIP	0.1UF	10.00%	25V	C8323	1-164-004-11	CERAMIC CHIP	0.1UF	10.00% 25	5V
C8211	1-163-243-11	CERAMIC CHIP	47PF	5.00%	50V	C8324	1-164-004-11	CERAMIC CHIP	0.1UF	10.00% 25	5V
						C8325	1-126-964-11		10UF	20.00% 50	
C8212		CERAMIC CHIP		5.00%		C8326	1-104-664-11		47UF	20.00% 16	
C8213	1-163-087-00			0.25PF		C8328	1-104-664-11	ELECT	47UF	20.00% 16	6V
C8214	1-163-087-00			0.25PF						46	•
C8215		CERAMIC CHIP		5.00%		C8329		CERAMIC CHIP		10.00% 50	
C8216	1-126-933-11	ELECT	100UF	20.00%	16V	C8335	1-163-021-91	CERAMIC CHIP	U.01UF	10.00% 50	UV

C8336 C8337 C8338 C8345 C8346	1-164-004-11 1-164-004-11 1-164-04-11 1-164-346-11 1-126-963-11 1-115-340-11 1-115-340-11 1-115-340-11	CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP CERAMIC CHIP ELECT	0.1UF 0.1UF	10.00%	_	C8853	1-126-967-11	ELECT 47UF	20.00% 5	.0**
C8338 C8345 C8346 C8601	1-164-004-11 1-164-346-11 1-126-963-11 1-115-340-11 1-115-340-11	CERAMIC CHIP	0.1UF		25V					υV
C8345 C8346 C8601	1-164-346-11 1-126-963-11 1-115-340-11 1-115-340-11	CERAMIC CHIP		10 00%		C8854	1-164-346-11	CERAMIC CHIP 1UF	1	.6V
C8346 C8601	1-126-963-11 1-115-340-11 1-115-340-11		1UF	TO.006	25V	C8855	1-164-346-11	CERAMIC CHIP 1UF	1	.6V
C8346 C8601	1-126-963-11 1-115-340-11 1-115-340-11				16V	C8856	1-164-346-11	CERAMIC CHIP 1UF	1	.6V
C8601	1-115-340-11 1-115-340-11		4.7UF	20.00%		C8857	1-164-346-11	CERAMIC CHIP 1UF		.6V
	1-115-340-11			20.000		00007			-	
C8602		CERAMIC CHIP	0.22UF	10.00%	25V	C8858	1-164-346-11	CERAMIC CHIP 1UF	1	.6V
	1_115_240_11	CERAMIC CHIP	0.22UF	10.00%	25V	C8859	1-164-346-11	CERAMIC CHIP 1UF	1	.6V
C8605	1-113-340-11	CERAMIC CHIP	0.22UF	10.00%	25V	C8860	1-164-346-11	CERAMIC CHIP 1UF	1	.6V
C8606	1-115-340-11	CERAMIC CHIP	0.22UF	10.00%	25V	C8861	1-164-346-11	CERAMIC CHIP 1UF	1	.6V
C8607	1-104-664-11	ELECT	47UF	20.00%	16V	C8862	1-164-346-11	CERAMIC CHIP 1UF	1	.6V
C8608	1-104-664-11	ELECT	47UF	20.00%	16V	C8863	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 2	1517
C8609	1-115-340-11	CERAMIC CHIP		10.00%		C8864	1-164-346-11	CERAMIC CHIP 1UF		.6V
C8610	1-115-340-11	CERAMIC CHIP		10.00%		C8865	1-104-664-11	ELECT 47UF	20.00% 1	
C8611		CERAMIC CHIP		10.00%						
	1-115-340-11					C8866	1-164-346-11	CERAMIC CHIP 1UF		.6V
C8612	1-115-340-11	CERAMIC CHIP	U.22UF	10.00%	237	C8867	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 2	:5V
C8613	1-104-664-11	ELECT	47UF	20.00%	16V	C8868	1-126-964-11	ELECT 10UF	20.00% 5	00V
C8614	1-104-664-11	ELECT	47UF	20.00%	16V	C8869	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 2	.5V
C8804	1-126-933-11	ELECT	100UF	20.00%	16V	C8896	1-163-251-11	CERAMIC CHIP 100PF	5.00% 5	VO
C8812	1-163-021-91	CERAMIC CHIP	0.01UF	10.00%	50V	C8897	1-163-251-11	CERAMIC CHIP 100PF	5.00% 5	VO
C8814	1-104-664-11	ELECT	47UF	20.00%	25V	C8898	1-163-227-11	CERAMIC CHIP 10PF	0.50PF 5	V0
C8822	1-126-933-11	ELECT	100UF	20.00%	16V	C8899	1-163-227-11	CERAMIC CHIP 10PF	0.50PF 5	VO
C8825	1-115-340-11	CERAMIC CHIP	0.22UF	10.00%	25V	C8900	1-163-251-11	CERAMIC CHIP 100PF	5.00% 5	VO
C8826	1-163-251-11	CERAMIC CHIP	100PF	5.00%	50V	C8901	1-163-017-00	CERAMIC CHIP 0.0047UF	10.00% 5	VO
C8827	1-164-004-11	CERAMIC CHIP	0.1UF	10.00%	25V	C8902	1-163-017-00	CERAMIC CHIP 0.0047UF	10.00% 5	VO
C8828	1-164-004-11	CERAMIC CHIP	0.1UF	10.00%	25V	C8903	1-163-251-11	CERAMIC CHIP 100PF	5.00% 5	0V
C8829	1-164-004-11	CERAMIC CHIP	0 1IIF	10.00%	25V	C8904	1-163-017-00	CERAMIC CHIP 0.0047UF	10.00% 5	ion.
C8830	1-164-004-11	CERAMIC CHIP		10.00%		C8905	1-163-251-11	CERAMIC CHIP 100PF		VOV
C8831	1-126-964-11	ELECT	10UF	20.00%		C8906	1-163-251-11	CERAMIC CHIP 100PF		V0V
C8832	1-164-004-11			10.00%		C8907	1-163-017-00	CERAMIC CHIP 0.0047UF	10.00% 5	
C8833	1-164-004-11			10.00%	-	C8907		CERAMIC CHIP 100PF	5.00% 5	
C0033	1-104-004-11	CERAMIC CHIP	0.101	10.00%	230	C0900	1-103-231-11	CERAMIC CHIP 100FF	3.00% 3	10 V
C8834	1-164-004-11	CERAMIC CHIP	0.1UF	10.00%	25V	C8909	1-163-017-00	CERAMIC CHIP 0.0047UF	10.00% 5	0V
C8835	1-164-004-11	CERAMIC CHIP	0.1UF	10.00%	25V	C8910	1-163-251-11	CERAMIC CHIP 100PF	5.00% 5	V00
C8836	1-164-004-11	CERAMIC CHIP	0.1UF	10.00%	25V	C8911	1-163-017-00	CERAMIC CHIP 0.0047UF	10.00% 5	VO
C8837	1-164-004-11	CERAMIC CHIP	0.1UF	10.00%	25V	C8914	1-126-933-11	ELECT 100UF	20.00% 1	.6V
C8838	1-164-004-11	CERAMIC CHIP	0.1UF	10.00%	25V	C8977	1-163-009-11	CERAMIC CHIP 0.001UF	10.00% 5	00V
C8839	1-163-251-11	רבים אורר רוודה	10000	5.00%	5.037	C8978	1_162_000 11	CERAMIC CHIP 0.001UF	10.00% 5	100
						C09/0	1-103-009-11	CERAMIC CHIP U.UUIUF	10.00% 5	10 V
C8840	1-164-004-11			10.00%						
C8841	1-164-004-11			10.00%			< FILTER	>		
C8842	1-104-664-11		47UF	20.00%						
C8843	1-164-004-11	CERAMIC CHIP	0.1UF	10.00%	25₹	CF8200	1-409-327-00	TRAP, CERAMIC (6.5MHZ)		
C8844	1-163-021-91	CERAMIC CHIP	0.01UF	10.00%	50V		< CONNECT	OR >		
C8846	1-126-933-11	ELECT	100UF	20.00%	16V					
C8847	1-164-004-11			10.00%		CN8101	1-695-302-11	CONNECTOR, BOARD TO BOAR	50P	
C8849	1-164-346-11				16V	CN8900		SOCKET, PIN 21P		
C8850	1-164-346-11				16V	CN8901	1-695-293-11	·		
	•.• •.	VIII			,·	CN8902	1-695-293-11			
C8851	1-126-967-11	ELECT	47UF	20.00%	50V		- -			
C8852	1-164-346-11	CERAMIC CHIP	1UF		16V					
					4.0					



REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
	< DIODE >				< IC >		
8153	8-719-056-83	DIODE UDZ-TE-17-6.8B		IC8101	8-759-576-76	IC TDA2822D013TR	
08200		DIODE UDZ-TE-17-12B		IC8151	8-752-072-94	IC CXA1875AM-T4	
8201	8-719-158-49	DIODE UDZ-TE-17-12B		IC8200	8-759-654-42	IC MSP3410D-C5QA-B4	
8202	8-719-158-49	DIODE UDZ-TE-17-12B		IC8201		IC MC3403NS-E20	
8203	8-719-158-49	DIODE UDZ-TE-17-12B		IC8202	8-759-908-15	IC TL431CZ	
8801	8-719-158-49	DIODE UDZ-TE-17-12B		IC8301	8-752-096-06	IC CXA2163Q-T6	
8802	8-719-158-49	DIODE UDZ-TE-17-12B		IC8302	8-759-485-79	IC TC7SET08FU(TE85R)	
8803	8-719-158-49	DIODE UDZ-TE-17-12B		IC8601	8-759-182-88	IC PQ09TZ5U	
8804	8-719-158-49	DIODE UDZ-TE-17-12B		IC8602	8-759-576-72	IC LF50CDT-TR	
8805	8-719-158-49	DIODE UDZ-TE-17-12B		IC8603	8-759-576-72	IC LF50CDT-TR	
8806	8-719-158-49	DIODE UDZ-TE-17-12B		IC8604	8-759-576-72	IC LF50CDT-TR	
8807		DIODE UDZ-TE-17-12B		IC8801	8-752-096-83	IC CXA2149AQ-TL	
8808		DIODE UDZ-TE-17-12B		1			
8809 8810		DIODE UDZ-TE-17-12B DIODE UDZ-TE-17-12B			< SOCKET	>	
				Ј8901	1-774-747-11	JACK BLOCK, PIN	
8811		DIODE UDZ-TE-17-12B		1			
8812		DIODE UDZ-TE-17-12B		1	< COIL >		
8813		DIODE UDZ-TE-17-12B		1			
8814		DIODE UDZ-TE-17-12B		L8150	1-414-757-11		
8900	8-719-056-85	DIODE UDZS-TE-17-8.2B		L8200 L8201		INDUCTOR CHIP 10UH INDUCTOR CHIP 100UH	
8901	8-719-158-49	DIODE UDZ-TE-17-12B					
8902	8-719-056-85	DIODE UDZS-TE-17-8.2B			< TRANSIS	STOR >	
8903	8-719-056-85	DIODE UDZS-TE-17-8.2B					
8904	8-719-056-85	DIODE UDZS-TE-17-8.2B		Q8100	8-729-120-28	TRANSISTOR 2SC2412K-T-	146-R
8905	8-719-056-85	DIODE UDZS-TE-17-8.2B		Q8101	8-729-120-28	TRANSISTOR 2SC2412K-T-	146-R
				Q8156	8-729-120-28	TRANSISTOR 2SC2412K-T-	146-R
8906	8-719-056-85	DIODE UDZS-TE-17-8.2B		Q8157	8-729-120-28	TRANSISTOR 2SC2412K-T-	146-R
8907		DIODE UDZ-TE-17-12B		Q8200	8-729-120-28	TRANSISTOR 2SC2412K-T-	146-R
8909	8-719-056-85	DIODE UDZS-TE-17-8.2B					
8910	8-719-056-85	DIODE UDZS-TE-17-8.2B		Q8201		TRANSISTOR 2SC2412K-T-	
8911	8-719-056-85	DIODE UDZS-TE-17-8.2B		Q8202	8-729-120-28	TRANSISTOR 2SC2412K-T-	146-R
				Q8303		TRANSISTOR 2SC2412K-T-	
8912		DIODE UDZ-TE-17-12B		Q8305		TRANSISTOR 2SC2412K-T-	
8913		DIODE UDZ-TE-17-12B		Q8306	8-729-120-28	TRANSISTOR 2SC2412K-T-	146-R
8914		DIODE UDZ-TE-17-12B		1			
8915	8-719-158-49	DIODE UDZ-TE-17-12B		Q8308		TRANSISTOR IMZ1A-T109	
				Q8309		TRANSISTOR IMZ1A-T109	
	< FILTER	>		Q8310		TRANSISTOR IMZ1A-T109	
				Q8809		TRANSISTOR 2SA1037K-T-	
L8200		ENCAPSULATED COMPONENT		Q8817	8-729-120-28	TRANSISTOR 2SC2412K-T-	146-R
L8201	1-233-764-21						
L8203		ENCAPSULATED COMPONENT		Q8818		TRANSISTOR 2SC2412K-T-	
L8302		ENCAPSULATED COMPONENT		Q8819		TRANSISTOR 2SC2412K-T-	
L8304	1-236-071-11	ENCAPSULATED COMPONENT		Q8901 Q8902		TRANSISTOR 2SC2412K-T- TRANSISTOR 2SA1037K-T-	
L8308	1-236-071-11	ENCAPSULATED COMPONENT					
L8801	1-236-071-11	ENCAPSULATED COMPONENT		1	< RESISTO	OR >	
L8802	1-236-071-11	ENCAPSULATED COMPONENT		D0100	1 016 075 00	DECOULD 100 50	1 /1 012
				R8103	1-216-075-00		•
				R8104	1-216-075-00	RES-CHIP 12K 5%	1/10W

REF. NO.	PART.NO	DESCRIPTIO	N		REMARK	REF. NO.	PART.NO	DESCRIPTION	l		REMARK
R8105	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	R8232	1-216-089-11	RES-CHIP	47K	5%	1/10W
R8106	1-216-081-00	RES-CHIP	22K	5%	1/10W	R8233	1-216-089-11	RES-CHIP	47K	5%	1/10W
R8107	1-216-081-00	RES-CHIP	22K	5%	1/10W	R8234	1-216-089-11	RES-CHIP	47K	5%	1/10W
R8108	1-216-057-00	RES-CHIP	2.2K	5%	1/10W	R8235	1-216-089-11	RES-CHIP	47K	5%	1/10W
R8109	1-249-389-11	CARBON	4.7	5%	1/4W	R8236	1-216-089-11	RES-CHIP	47K	5%	1/10W
D0110	1-249-389-11	CARBON	4.7	E 0.	1 / 417	D0227	1-216-043-91	DEC CUID	560	E Q.	1 /1 0₩
R8110 R8111	1-249-369-11	RES-CHIP	4.7 220	5% 5%	1/4W 1/10W	R8237 R8238	1-216-043-91		3.9K	5% E %	1/10W 1/10W
R8112	1-216-033-00	RES-CHIP	220	ა 5%	1/10W	R8239	1-216-069-00		6.8K		1/10W
R8115	1-216-033-00		150	5%	1/10W	R8240	1-210-003-00		1K	0.5%	
R8116	1-216-029-00		150	5%	1/10W	R8243	1-216-021-00		68	5%	1/10W
KOIIO	1 210 025 00	NEO CHII	130	30	1/100	10243	1 210 021 00	NED CITT	00	30	1/100
R8117	1-216-029-00	RES-CHIP	150	5%	1/10W	R8300	1-216-295-11	SHORT	0		
R8118	1-216-029-00	RES-CHIP	150	5%	1/10W	R8302	1-216-017-91	RES-CHIP	47	5%	1/10W
R8165	1-216-295-11	SHORT	0			R8306	1-216-083-00	RES-CHIP	27K	5%	1/10W
R8167	1-216-025-11	RES-CHIP	100	5%	1/10W	R8308	1-216-039-00	RES-CHIP	390	5%	1/10W
R8168	1-216-025-11	RES-CHIP	100	5%	1/10W	R8310	1-216-037-00	RES-CHIP	330	5%	1/10W
R8174	1-216-065-91	RES-CHIP	4.7K	5%	1/10W	R8312	1-216-091-00	RES-CHIP	56K	5%	1/10W
R8175	1-216-065-91		4.7K		1/10W	R8313	1-216-081-00		22K	5%	1/10W
R8178	1-216-073-00		10K	5%	1/10W	R8314	1-216-295-11		0		,
R8200	1-216-049-11		1K	5%	1/10W	R8315	1-216-121-11		1M	5%	1/10W
R8201	1-216-295-11		0		•	R8316	1-216-037-00		330	5%	1/10W
D0000	1-216-021-00	DEC CUID	68	E 0.	1/10W	D0217	1-216-295-11	CHODE	۸		
R8202 R8203	1-216-021-00		6.8K	5% ⊑∘	1/10W	R8317 R8318	1-216-295-11		0		
R8204	1-216-069-00		1K	ა 5%	1/10W	R8319	1-216-295-11		0		
	1-216-049-11					R8320	1-216-295-11		470	E &	1/10W
R8205			6.8K		1/10W					5% 5∘	•
R8206	1-216-049-11	KES-CHIP	1K	5%	1/10W	R8322	1-216-049-11	KES-CHIP	1K	5%	1/10W
R8208	1-216-037-00	RES-CHIP	330	5%	1/10W	R8323	1-216-017-91	RES-CHIP	47	5%	1/10W
R8209	1-208-790-11	METAL CHIP	2.2K	0.5%	1/10W	R8324	1-216-041-00	RES-CHIP	470	5%	1/10W
R8210	1-216-025-11	RES-CHIP	100	5%	1/10W	R8326	1-216-017-91		47	5%	1/10W
R8211	1-216-295-11		0			R8328	1-216-025-11		100	5%	1/10W
R8212	1-216-295-11	SHORT	0			R8329	1-216-025-11	RES-CHIP	100	5%	1/10W
R8213	1-216-295-11	SHORT	0			R8330	1-216-041-00	RES-CHIP	470	5%	1/10W
R8216	1-216-025-11	RES-CHIP	100	5%	1/10W	R8331	1-216-041-00	RES-CHIP	470	5%	1/10W
R8217	1-216-025-11	RES-CHIP	100	5%	1/10W	R8332	1-216-041-00	RES-CHIP	470	5%	1/10W
R8218	1-216-049-11	RES-CHIP	1K	5%	1/10W	R8333	1-216-041-00	RES-CHIP	470	5%	1/10W
R8219	1-216-025-11	RES-CHIP	100	5%	1/10W	R8334	1-216-041-00	RES-CHIP	470	5%	1/10W
R8220	1-216-025-11	RES-CHID	100	5%	1/10W	R8336	1-216-041-00	RES-CHIP	470	5%	1/10W
R8221	1-216-025-11		100	5%	1/10W	R8337	1-216-041-00		470	5%	1/10W
R8222	1-216-295-11		0	•	1/1011	R8338	1-216-017-91		47	5%	1/10W
R8223	1-216-089-11		47K	5%	1/10W	R8339	1-216-017-91		47	5% 5%	1/10W
R8224	1-216-089-11		47K		1/10W	R8340	1-216-063-91		3.9K		1/10W
NOLL 1	1 210 005 11	nuo onii	2720	•	1, 1011	110310	1 210 003 71	NED CHIL	3.31	•	1/2011
R8225	1-216-089-11	RES-CHIP	47K	5%	1/10W	R8341	1-216-041-00	RES-CHIP	470	5%	1/10W
R8226	1-216-089-11	RES-CHIP	47K	5%	1/10W	R8344	1-216-091-00	RES-CHIP	56K	5%	1/10W
R8227	1-216-089-11		47K	5%	1/10W	R8345	1-216-079-00		18K	5%	1/10W
R8228	1-216-089-11		47K	5%	1/10W	R8346	1-216-091-00		56K	5%	1/10W
R8229	1-216-295-11	SHORT	0			R8347	1-216-079-00	RES-CHIP	18K	5%	1/10W
R8230	1-216-081-00	RES-CHID	22K	5%	1/10W	R8806	1-216-085-00	RES-CHIP	33K	5 &	1/10W
R8231	1-216-089-11		47K		1/10W	R8807	1-216-089-11		47K		1/10W
			2,40	• 0	-,			01111	- 141	• •	-/



REF. NO.	PART.NO	DESCRIPTIO	N		REMARK	REF. NO.	PART.NO	DESCRIPT	ION		REMARK
R8820	1-216-295-11	SHORT	0			R8913	1-216-022-00	RES-CHIP	75	5%	1/10W
R8826	1-216-051-00		1.2K	5%	1/10W	R8914	1-216-071-00	RES-CHIP	8.2K	5%	1/10W
R8836	1-216-025-11		100	5%	1/10W	R8915	1-216-022-00	RES-CHIP	75	5%	1/10W
R8846	1-216-295-11	SHORT	0		•	R8916	1-216-017-91	RES-CHIP	47	5%	1/10W
R8854	1-216-029-00	RES-CHIP	150	5%	1/10W	R8917	1-216-017-91	RES-CHIP	47	5%	1/10W
R8855	1-216-031-00	RES-CHIP	180	5%	1/10W	R8918	1-216-113-00	RES-CHIP	470K	5%	1/10W
R8856	1-216-051-00	RES-CHIP	1.8K		1/10W	R8919	1-216-057-00	RES-CHIP	2.2K	5%	1/10W 1/10W
R8857	1-216-033-00		47K	5% 5%	1/10W 1/10W	R8922	1-216-037-00	RES-CHIP	75	ა 5%	1/10W 1/10W
R8858			18K	5% 5%							1/10W 1/10W
R8859	1-216-079-00 1-216-057-00		2.2K		1/10W 1/10W	R8923 R8924	1-216-022-00 1-216-022-00	RES-CHIP RES-CHIP	75 75	5% 5%	1/10W
											4 /4 000
R8861	1-216-295-11		0			R8925	1-216-022-00	RES-CHIP	75	5 %	1/10W
R8863	1-216-295-11		0		4.44.0	R8926	1-216-017-91		47	5%	1/10W
R8865	1-216-022-00		75	5%	1/10W	R8927	1-216-017-91	RES-CHIP	47	5%	1/10W
R8866	1-216-022-00		75	5%	1/10W	R8928	1-216-017-91	RES-CHIP	47	5%	1/10W
R8867	1-216-049-11	RES-CHIP	1K	5%	1/10W	R8929	1-216-039-00	RES-CHIP	390	5%	1/10W
R8868	1-216-017-91	RES-CHIP	47	5%	1/10W	R8930	1-216-049-11	RES-CHIP	1K	5%	1/10W
R8869	1-216-017-91	RES-CHIP	47	5%	1/10W	R8931	1-216-039-00	RES-CHIP	390	5%	1/10W
R8871	1-216-049-11	RES-CHIP	1K	5%	1/10W	R8932	1-216-049-11	RES-CHIP	1K	5%	1/10W
R8872	1-216-057-00	RES-CHIP	2.2K		1/10W	R8933	1-216-089-11	RES-CHIP	47K	5%	1/10W
R8873	1-216-113-00		470K		1/10W	R8934	1-216-089-11		47K	5%	1/10W
R8874	1-216-057-00	RES-CHIP	2.2K	5 9	1/10W	R8935	1-216-113-00	RES-CHIP	470K	5 9	1/10W
R8875	1-216-113-00		470K		1/10W	R8936	1-216-113-00	RES-CHIP		5%	1/10W
R8876	1-216-113-00	RES-CHIP	68K	ა 5%	1/10W 1/10W	R8937	1-216-113-00	RES-CHIP	270K	ა 5%	1/10W 1/10W
R8877	1-216-093-91		68K	ა 5%	1/10W 1/10W	R8938	1-216-057-00	RES-CHIP	2.2K	ა 5%	1/10W 1/10W
R8878	1-216-057-00		2.2K		1/10W	R8939	1-216-037-00	RES-CHIP	2.2k 270	5%	1/10W
					4 /4 0						4 /4 0
R8879	1-208-820-11	METAL CHIP	39K	0.5%	1/10W	R8940	1-216-057-00	RES-CHIP	2.2K		1/10W
R8880	1-216-295-11	SHORT	0	F 0	4 /4 0	R8941	1-216-025-11	RES-CHIP	100	5% •••	1/10W
R8881	1-216-089-11		47K	5% 	1/10W	R8942	1-216-009-91	RES-CHIP	22	5% 	1/10W
R8882	1-216-079-00		18K	5%	1/10W	R8943	1-216-022-00		75	5 %	1/10W
R8883	1-208-776-11	METAL CHIP	560	0.5%	1/10W	R8944	1-216-071-00	RES-CHIP	8.2K	5%	1/10W
R8885	1-208-776-11	METAL CHIP	560	0.5%	1/10W	R8945	1-216-022-00	RES-CHIP	75	5%	1/10W
R8888	1-216-033-00	RES-CHIP	220	5%	1/10W	R8946	1-216-017-91	RES-CHIP	47	5%	1/10W
R8889	1-216-033-00	RES-CHIP	220	5%	1/10W	R8947	1-216-039-00	RES-CHIP	390	5%	1/10W
R8890	1-216-295-11	SHORT	0			R8948	1-216-049-11	RES-CHIP	1K	5%	1/10W
R8892	1-216-295-11	SHORT	0			R8949	1-216-022-00	RES-CHIP	75	5%	1/10W
R8893	1-216-295-11	SHORT	0			R8950	1-216-089-11	RES-CHIP	47K	5%	1/10W
R8900	1-216-039-00		390	5%	1/10W	R8951	1-216-017-91		47	5%	1/10W
R8901	1-216-049-11		1K	5%	1/10W	R8952	1-216-113-00		470K		1/10W
R8902	1-216-039-00		390	5%	1/10W	R8953	1-216-035-00		270	5%	1/10W
R8903	1-216-089-11		47K	5% 5%	1/10W	R8954	1-216-057-00		2.2K		1/10W
00004	1_016 000 11	DEC. CUTD	/17tz	E O.	1 /1 OW	DOVEE	1_216 020 00	DEC CUID	200	E0.	1 /1 012
R8904	1-216-089-11		47K	5% ⊑∘	1/10W	R8955	1-216-039-00		390	5% 5 %	1/10W
R8905	1-216-113-00		470K		1/10W	R8956	1-216-049-11		1K	5% •••	1/10W
R8906	1-216-035-00		270	5% 5 0	1/10W	R8957	1-216-025-11		100	5% •••	1/10W
R8907	1-216-057-00		2.2K		1/10W	R8958	1-216-089-11		47K	5% •••	1/10W
R8908	1-216-035-00	RES-CHIP	270	5%	1/10W	R8959	1-216-022-00	RES-CHIP	75	5%	1/10W
8909	1-216-049-11	RES-CHIP	1K	5%	1/10W	R8960	1-216-017-91	RES-CHIP	47	5%	1/10W



REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTIO	N	REMARK
R8962	1-216-071-00	RES-CHIP 8.2K 5	% 1/10W	C8332	1-216-025-11	RES-CHIP	100 5%	1/10W
R8963	1-216-113-00	RES-CHIP 470K 5	% 1/10₩				(KV-3	2FX65B/32FX65E/32FX65K)
R8964	1-216-035-00	RES-CHIP 270 5	% 1/10₩		1-164-004-91	CERAMIC CHIE	0.1UF	10.00% 25V
R8965	1-216-057-00	RES-CHIP 2.2K 5	% 1/10₩					(KV-32FX65U)
R8968	1-216-022-00	RES-CHIP 75 5	% 1/10₩	C8333	1-216-025-11	RES-CHIP	100 5%	1/10W
							(KV-3	2FX65B/32FX65E/32FX65K)
R8969	1-216-017-91	RES-CHIP 47 5	% 1/10₩		1-164-004-91	CERAMIC CHIE	0.1UF	10.00% 25V
R8974	1-216-057-00	RES-CHIP 2.2K 5	% 1/10₩					(KV-32FX65U) C8334
R8977	1-216-037-00	RES-CHIP 330 5	% 1/10₩	1-216-02	5-11 RES-CHIP	100 5%	1/10W	
R8978	1-216-037-00	RES-CHIP 330 5	% 1/10₩				(KV-3	2FX65B/32FX65E/32FX65K)
R8979	1-216-045-00	RES-CHIP 680 5	% 1/10W		1-164-004-91	CERAMIC CHIE	0.1UF	10.00% 25V (KV-32FX65U)
R8980	1-216-045-00	RES-CHIP 680 5	% 1/10W					
R8981	1-216-089-11	RES-CHIP 47K 5	% 1/10₩		< RESIST	OR >		
R8982	1-216-079-00	RES-CHIP 18K 5	% 1/10₩					
R8996	1-216-059-00	RES-CHIP 2.7K 5	% 1/10₩	JR8401	1-216-295-11	SHORT	0 (KV-32	FX65U)
R8997	1-216-071-00	RES-CHIP 8.2K 5	% 1/10W	JR8402	1-216-295-11	SHORT	0 (KV-32	FX65B/32FX65E/32FX65K)
R8998	1-216-041-00	RES-CHIP 470 5	% 1/10W	R8176	1-216-295-11	SHORT	0 (KV-32	FX65B/32FX65E/32FX65K)
			· -/ - · · ·	R8177	1-216-295-11		0 (KV-32	·
	< CRYSTAI	. >		R8303	1-216-295-11		•	FX65B/32FX65E/32FX65K)
				R8309	1-216-295-11			FX65B/32FX65E/32FX65K)
X8200	1-781-148-21	VIBRATOR, CRYSTAL		R8551	1-216-295-11		•	FX65B/32FX65E/32FX65K)
X8301		VIBRATOR, CRYSTAL					·	·
				R8552	1-216-295-11		•	FX65B/32FX65E/32FX65K)
J Boa	rd Variant Pa	rts KV-28FX65		R8553	1-216-295-11		-	FX65B/32FX65E/32FX65K)
				R8841	1-216-295-11		•	FX65B/32FX65E/32FX65K)
	< CAPACIT	OR >		R8852	1-216-295-11	SHORT	0 (KV-32	FX65U)
C8243		CERAMIC CHIP 0.33UF	10.00% 16V	*A-16	44-108-A VM	Board, Cor	nplete	
C8327		CERAMIC CHIP 1UF	10.00% 16V					
C8331		CERAMIC CHIP 0.01UF	10.00% 50V		4-382-854-11	SCREW (M3X10), P, SW (+)
C8332		CERAMIC CHIP 0.1UF	10.00% 25V					
C8333	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V		< CAPACI	TOR >		
C8334	1-164-004-11	CERAMIC CHIP 0.1UF	10.00% 25V	C5400	1-107-883-11		330UF	20.00% 16V
				C5401	1-126-935-11		470UF	20.00% 16V
	< RESISTO)K >		C5402	1-137-150-11		0.01UF	5.00% 50V
				C5403	1-126-935-11		470UF	20.00% 6.3V
JR8401	1-216-295-11	SHORT 0		C5405	1-126-933-11	ELECT	100UF	20.00% 16V
R8177	1-216-295-11			C5406	1-126-935-11		470UF	20.00% 6.3V
R8852	1-216-295-11	SHORT 0		C5407	1-107-364-11		0.01UF	10.00% 200V
				C5408	1-107-364-11		0.01UF	10.00% 200V
J Boa	rd Variant Pa	rts KV-32FX65		C5409	1-107-649-11		2.2UF	20.00% 250V
	< CAPACII	מחי		C5410	1-130-471-00	MYLAR	0.001UF	5.00% 50V
	< CAPACII	.va /		C5411	1-130-471-00	MYLAR	0.001UF	5.00% 50V
C8243	1-110-501-11	CERAMIC CHIP 0.33UF	10.00% 16V	C5412	1-126-935-11		470UF	20.00% 16V
C8327		CERAMIC CHIP 1UF	10.00% 16V	C5413	1-126-935-11		470UF	20.00% 16V
C8331	1-216-025-11			C5414	1-107-652-11		10UF	20.00% 250V
C0331	1 210-023-11		32FX65B/32FX65E/32FX65K)	C5415	1-107-363-91		0.0068UF	10.00% 200V
	1-163-021-01	CERAMIC CHIP 0.01UF	10.00% 50V					
	1 103 021-31	CENTRIC CHIE V.VIUE	(KV-32FX65U)	C5417	1-102-514-91	CERAMIC	22PF	5.00% 50V
			(III JEINOJO)	C5418	1-102-947-00		10PF	0.50PF 50V



REF. NO.	PART.NO	DESCRIPTION		REMARK	REF. NO.	PART.NO	DESCRIPTION	V		REMARK
	< CONNECT	'OR >			R5412	1-249-429-11	CARBON	10K	5%	1/4W
					R5413	1-249-414-11	CARBON	560	5%	1/4W
CN5402	*1-564-506-11	PLUG, CONNECTOR 3	P		R5414	1-249-432-11	CARBON	18K	5%	1/4W
CN5444	*1-770-723-11	CONNECTOR, BOARD	TO BOARI	8P	R5415	1-247-739-11	CARBON	100	5%	1/2W
CN5602	*1-564-509-11	PLUG, CONNECTOR 6	P		R5416	1-249-389-11	CARBON	4.7	5%	1/4W
	< DIODE >				R5417	1-249-432-11	CARBON	18K	5%	1/4W
					R5418	1-249-414-11	CARBON	560	5%	1/4W
D5400	8-719-991-33	DIODE 1SS133T-77			R5419	1-249-421-11	CARBON	2.2K	5%	1/4W
D5401	8-719-510-02	DIODE D1NS4-TR			R5420	1-249-421-11	CARBON	2.2K	5%	1/4W
D5402	1-535-143-61	LEAD, JUMPER (5.0	MM)		R5421	1-249-387-11	CARBON	3.3	5%	1/4W
D5403	8-719-991-33	DIODE 1SS133T-77								
D5404	8-719-991-33	DIODE 1SS133T-77			R5422	1-249-405-11	CARBON	100	5%	1/4W
					R5423	1-215-915-11	METAL OXIDE	470	5%	3W
D5405	8-719-924-11	DIODE MTZJ-T-77-2	2		R5425	1-535-143-61	LEAD, JUMPER	(5.0M	M)	
D5406	8-719-924-11	DIODE MTZJ-T-77-2	2		R5427	1-249-401-11	CARBON	47	5%	1/4W
					R5428	1-249-413-11		470	5%	1/4W
	< FERRITE	BEAD >			R5429	1-249-413-11	CARBON	470	5%	1/4W
FB5400	1-535-143-61	LEAD, JUMPER (5.0	MM)		R5430			1K	5%	1/4W
FB5401		LEAD, JUMPER (5.0			R5432		CARBON	680	5%	1/4W
		, ,	•		R5433		CARBON	39	5%	1/4W
	< COIL >				R5434		CARBON	15	5%	1/4W
L5400	1-410-784-41	INDUCTOR 0.	18UH							
L5401			2UH							
	< TRANSIS	TOR >								
Q5400	9_720_110_79	TRANSISTOR 2SC174	Λ ς_ ₽Ͳ							
Q5400 Q5401		TRANSISTOR 2SC174								
-		TRANSISTOR 2SC174								
-		TRANSISTOR 2SC174								
Q5403 Q5404		TRANSISTOR 2SA933								
Q5404	0-729-020-39	TRANSISTOR ZSA955	M2-KI							
Q5405		TRANSISTOR 2SA933								
Q5406	8-729-045-05									
Q5407	8-729-045-04									
Q5408	8-729-026-39									
Q5409	8-729-119-78	TRANSISTOR 2SC174	OS-RT							
	< RESISTO	R >								
R5401	1-247-843-11		K 5%	1/4W						
R5402	1-249-413-11		5%	1/4W						
R5403	1-249-393-11		5%	1/4W						
R5404	1-249-420-11		K 5%	1/4W						
R5405	1-249-425-11	CARBON 4.7	K 5%	1/4W						
R5406	1-249-425-11	CARBON 4.7	K 5%	1/4W						
R5407	1-249-399-11	CARBON 33	5%	1/4W						
R5408	1-247-807-31	CARBON 100	5%	1/4W						
R5409	1-249-409-11		5%	1/4W						
R5410	1-249-401-11	CARBON 47	5%	1/4W						
R5411	1-249-401-11	CARBON 47	5%	1/4W						

The components identified by shading and marked ⚠ are critical for safety
Replace only with the part number specified.

specifi	ea.						
REF. NO.	PART.NO	DESCRIPTION	REMARK	REF. NO.	PART.NO	DESCRIPTION	REMARK
MISCE	LLANEOUS				*4-205-503-01	INDIVIDUAL CART	ON (KV-28FX65)
					*4-205-512-01	INDIVIDUAL CART	ON
Δ		COIL DEMAGNETI	•				(KV-32FX65B/32FX65E/32FX65K)
\triangle		COIL DEMAGNETI	•			INDIVIDUAL CART	·
		MAGNET, DISK;			*4-205-504-01	CUSHION (UPPER)	(ASSY) (KV-28FX65)
		MAGNET, ROTATA					
\triangle	1-453-340-21	TRANSFORMER AS	SY, FLYBACK (NX4522//U214)		*4-205-505-01	CUSHION (LOWER)	
							(KV-32FX65B/32FX65E/32FX65K)
		SPEAKER (24x4.	2CM)		*4-205-513-01	CUSHION (UPPER)	· ·
		SPEAKER (8CM)					(KV-32FX65B/32FX65E/32FX65K)
		COIL, NA ROTAT			*4-205-513-01	CUSHION (UPPER)	(ASSY) (KV-32FX65U)
Δ		SWITCH, PUSH (AC POWER)				
Δ	1-792-389-11	•				, ,	(ASSY) (KV-28FX65)
		(KV-28FX65B/28F	X65E/32FX65B/32FX65E/32FX65K)		*4-205-514-01	CUSHION (LOWER)	• •
	1 500 500 11						(KV-32FX65B/32FX65E/32FX65K)
Δ.			H POWER (KV-28FX65U/32FX65U)		*4-205-532-01	CUSHION (LOWER)	(ASSY) (KV-32FX65U)
\triangle		NECK ASSY, (NA	·				
			(KV-28FX65B/32FX65B)	REMO	TE COMMAN	IDER	
			(KV-28FX65E/32FX65E/32FX65K)				
	1-693-339-11	TUNER/VIF (KV-	28FX65U/32FX65U)		1-418-476-21	REMOTE COMMANDE	R (RM-887)
٨	0 727 706 05	DICMIDE MIDE /	W66LLX060X) (KV-28FX65)				
Δ.			W76LLZ060X) (KV-32FX65)				
			E (Y28RVC2) (KV-28FX65)				
Δ			, , , ,				
Δ		CAP ASSY, HIGH	E (Y32RVC2) (KV-32FX65)				
\triangle	1-231-317-03	CAP ASSI, HIGH	VOLINGE				
	1-790-082-11	CABLE, RF					

ACCESSORIES AND PACKAGING MATERIALS

*4-205-744-51	MANUAL, INSTRUCTION (KV-28FX65B)
	(GERMAN/FRENCH/ENGLISH/ITALIAN/DUTCH)
*4-205-744-71	MANUAL, INSTRUCTION (KV-28FX65E)
	(GERMAN/GREEK/ITALIAN)
*4-205-744-81	MANUAL, INSTRUCTION (KV-28FX65E)
	(DANISH/SPANISH/FINNISH/NORWEGIAN/PORTUGUESE/
	SWEDISH)
*4-205-744-61	MANUAL, INSTRUCTION (KV-28FX65U/32FX65U)
	(ENGLISH)
*4-205-753-31	MANUAL, INSTRUCTION (KV-32FX65B)
	(GERMAN/FRENCH/ITALIAN/DUTCH)
*4-205-753-41	MANUAL, INSTRUCTION (KV-32FX65B)
1 200 100 12	(ENGLISH)
	(=
*4-205-753-11	MANUAL, INSTRUCTION (KV-32FX65E)
	(DANISH/SPANISH/NORWEGIAN/PORTUGUESE/FINNISH/
	SWEDISH)
*4-205-753-21	MANUAL, INSTRUCTION (KV-32FX65E)
4 203 733 21	(GERMAN/GREEK/ITALIAN)
	(GERMAN/GREEK/IIALIAN)
+4 205 752 41	MANUAL INCONDUCTION (WI 20DUCED)
^4-205-755-41	MANUAL, INSTRUCTION (KV-32FX65B)
	(CZECH/ENGLISH/HUNGARIAN/POLISH)
	BAG, PROTECTION (KV-28FX65)
*4-046-772-01	BAG, PROTECTION (KV-32FX65)



A new TV Repair Assistance Tool that combines ease of use and powerful PC software tools to allow you to save valuable time during many TV repairs.



The TRACE interface connects to the PC's serial port. It provides connection to the TV's I^2C bus and can be provided with an InfraRed transmitter (optional).

The interface is powered by a standard 9 V PP3 battery for portable use, and can also be powered by an external 9V/25mA DC power supply.

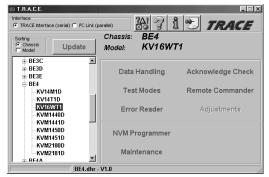
The TRACE software that is supplied with the interface allows you to:

- Read, restore and compare NVM contents via the I²C bus
- Acknowledge check of all I2C devices in the TV set
- Read Error Codes (emulation of the Error Reader tool)

With the optional IR Add-on kit, the following features can be added:

- Remote Commander emulation
- User programmable Functional Check through Infrared
- Fast and documented Test Mode setting of all Sony TV chassis

Additional features such as Adjustments and Troubleshooting are available in chassis-dependent software modules. Please contact your local Sony Service organisation for the latest information.



Note: For workshops already using the existing 1²C Link parallel port interface (9-948-320-30), this software can be used as well, replacing the TV Data Handling software (9-948-340-50), but Error Reader and IR functions can only be accessed with the TRACE interface.

Partnumbers: TRACE Starter Kit (TRACE interface + software): 9-948-320-70

TRACE Software (for users of the I²C Link interface): 9-948-340-80 TRACE IR Add-on (IR interface + Remote Commander software): 9-948-320-80

PC requirements: IBM-compatible PC with operating system Windows95, Windows98, or WindowsNT*.

* WindowsNT only supported with TRACE interface